The MODULUS
1924

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CHICAGO, ILLINOIS

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THE SENIOR CLASS

Nineteen Twenty-four.

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DEDICATION

To

Mr. H. P. Manton

Who Has in Every Way Possible Extended To Us His

Assistance, and Advice.

We Dedicate This "Modulus."

OUR SCHOOL

First comes Mr. Morey, Our President Grand,
He's the Exalted Ruler, and a fine man.

Next comes Mr. Ottoman, whose always at work,
To keep us all busy, he ne'er does shirk.

There's Mr. Black whose winning smile,
Will live with us all the while.

Mr. Fielder in the Architectural room dwells,
Here the secrets of construction he tells.

Mr. Graham of engineer's fame,
Teaches the strength of a six-story frame.

Mr. Hreben in the Mechanical room reigns,
He also from a smile ne'er refrains.

Mr. Weigler who is a newcomer here,
To give out design problems, he ne'er does fear.

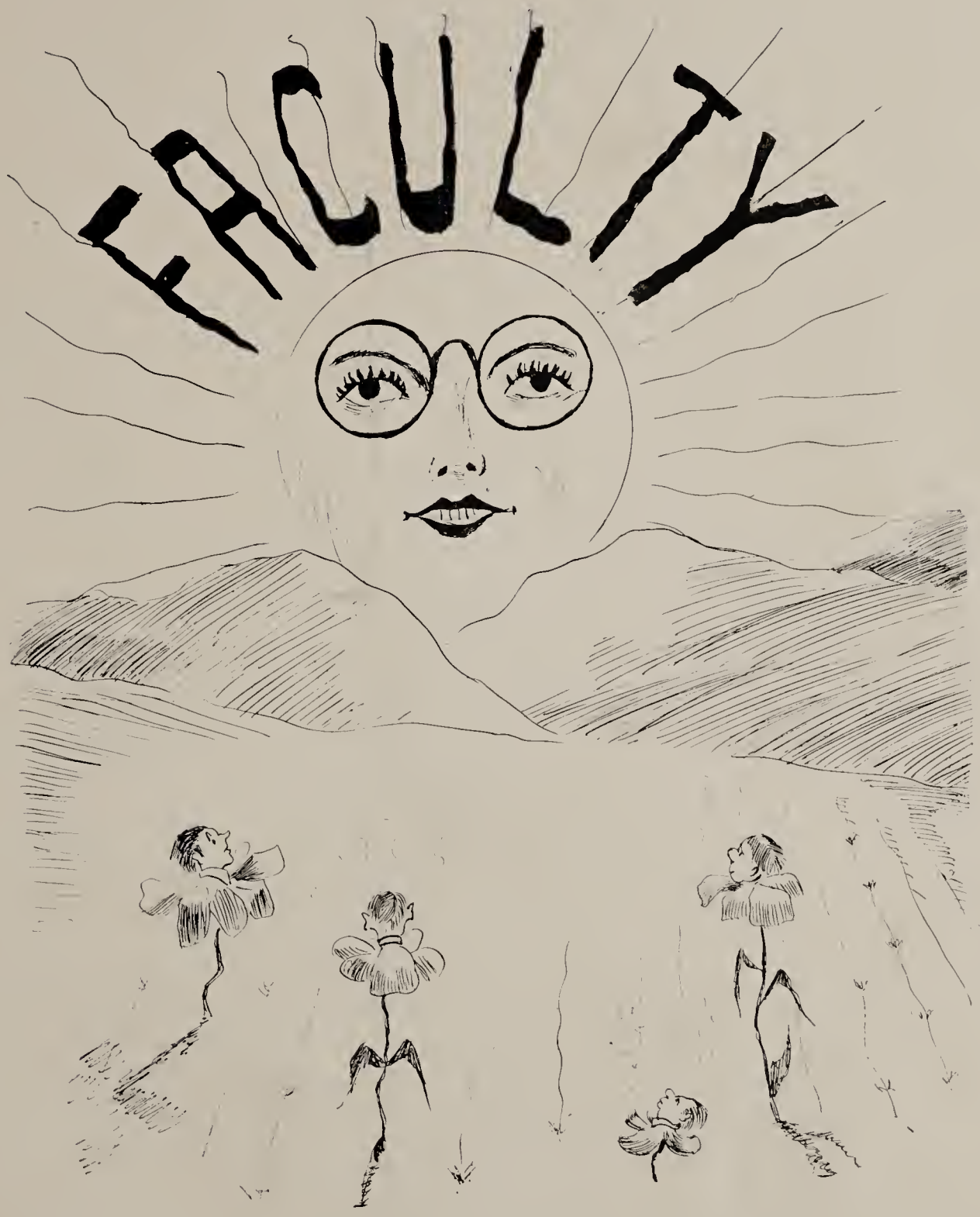
Mr. Manton who is always at hand
And willing to help, where e'er he can.

Mr. Tupes dwells along structural lines,
His services ready to give, one always finds.

Mr. Jackson rules along electrical lines,
He, the motors, students and times.

Last, but not least, Mr. Rawitch we see,
Whose always happy, and chuckling with glee.

So here's to the Faculty, long may they live,
We all appreciate the services they give.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1924

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Ye Seniors
SUCCESS

THE CLASS OF 1924

By CHARLES W. MOREY,

President, Chicago Technical College

The members of this year's graduating class have reason to be proud of the record they have made at Chicago Tech not only as individuals but as a class organization.

The same determination that has made possible the publication of this book has been shown in surmounting difficulties encountered in their work at the College and I desire to take this opportunity to extend congratulations to this Class as a whole, its officers, committee members, the Modulus staff, and others, for the splendid spirit shown in Class and College affairs during the time they have been with us.

My best wishes to the Class of '24, and may each member be granted the full measure of success that comes to men whose lives are governed by the same spirit of good will and determination that you have shown while here at the College.

CLASS OF 1924

❖ ❖ ❖

E. T. RILEY — President
"Jiggs"
Engineering — Chicago, Ill.

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F. KLEINFELDT "Klein"
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"Clell"
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"Smiles"
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J. CHIARO "Sonny"
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J. SCHEIBACH "Come Along"
Architecture Chicago, Ill.

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Engineering Chicago, Ill.

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Engineering Hutchinson, Minn.

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Architecture Augusta, Wis.

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Engineering Chicago, Ill.

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R. BERKEY "Roy"
Architecture Valparaiso, Ind.

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W. ROTHE "Judge"
Architecture Elgin, Ill.

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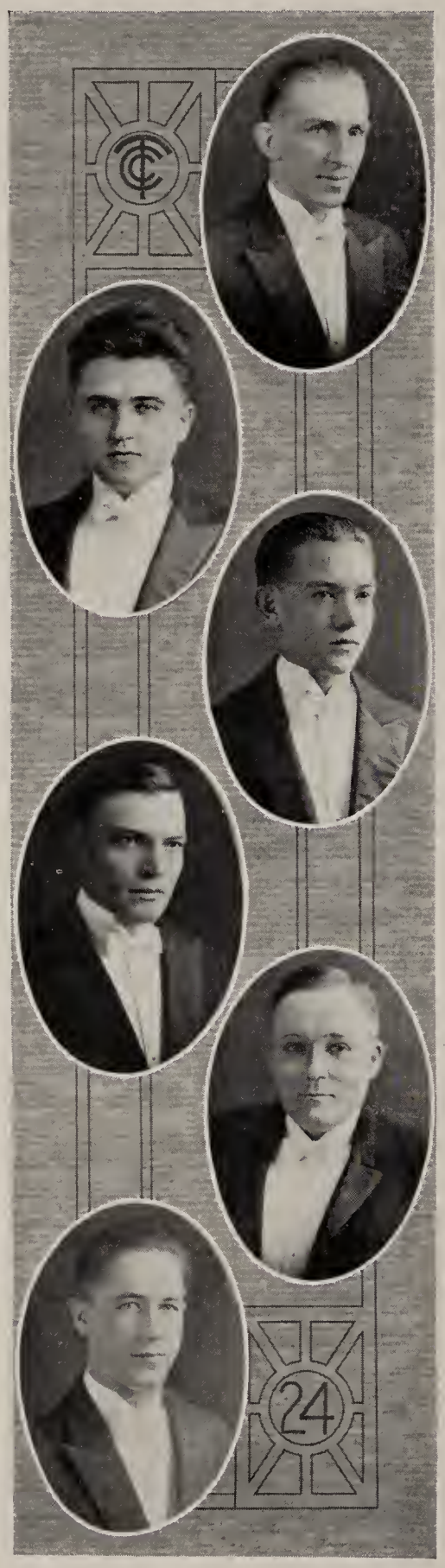

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Plumbing and Heating, Chicago, Ill.

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Engineering Fond du Lac, Wis.

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A. ALFORD "Al"
Engineering Andrews, Ind.

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Builders Chicago, Ill.

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P. GUETZLOFF "Patsy"
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CLASS OF 1924

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Voted the Most Popular Student
Engineering Chicago, Ill.

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J. CROWLEY "Jack"
Engineering Chicago, Ill.

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C. IVERSON "Long Boy"
Surveying Chicago, Ill.

❖ ❖ ❖

C. McNERNEY "Mac"
Engineering Chicago, Ill.

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M. HOFFMAN "Lots"
Builders Morton Grove, Ill.

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L. RYAN "Frenchy"
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R. HAUGEN "Prince"
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J. HOLMES "Duke"
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L. ISENBERG "Saler"
Engineering Baraboo, Wis.

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E. BROSE "Sandy"
Engineering Chicago, Ill.

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F. VIEBRANZ "Fairy"
Engineering Reedsburg, Wis.

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F. OSTRAND "Freddie"
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J. CASKIE "Jack"
Builders Chicago, Ill.

❖ ❖ ❖

D. RITENOUR "Dewey"
Builders Chicago, Ill.

❖ ❖ ❖

D. EVELSIZER "Desmond"
Structural Chicago, Ill.

❖ ❖ ❖

D. GRIPPI "Dan"
Architecture Chicago, Ill.

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C. OLSON "Chick"
Architecture Chicago, Ill.

CLASS OF 1924

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J. PALAS "Dandy"
Engineering Chicago, Ill.

❖ ❖ ❖

C. McCLELLEN "Cholly"
Architecture Chicago, Ill.

❖ ❖ ❖

C. BROCKEN "Smitty"
Architecture Summit, Ill.

❖ ❖ ❖

E. PATURALSKI "Pat"
Architecture Chicago, Ill.

❖ ❖ ❖

W. WAUGENSTEIN "Sleepy"
Architecture Yonkers, N. Y.

❖ ❖ ❖

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Architecture Rock Island, Ill.

CLASS OF 1924

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Engineering Shell Lake, Wis.

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Architecture Sacramento, Calif.

❖ ❖ ❖

C. WONG "Clara"
Architecture Canton, China

❖ ❖ ❖

R. KOEPP "Red"
Builders New Braunsfels, Tex.

❖ ❖ ❖

S. HOWE "Stanley"
Architecture Monroe, Wis.

❖ ❖ ❖

C. UEMOTO "Hilo"
Architecture Honolulu, Hawaii

The Student Body wishes to here print a few words in behalf of the fellow classmen who did their part when called upon to do so by Uncle Sam.

Their number and undying cheerfulness, as well as good fellowship, which here shows itself, will always be a living memory to the rest of the student body.

OFFICERS OF THE DAY

J. J. Crowley.....Army

C. McNerney.....Navy

V. Nickel.....Marines

Wide World Photos

OUR COORDINATOR

MR. J. L. WALKINSHAW

A man among men. One whose influence is used and directed for our benefit.

Whose cheerful smile and kind attention is for always making us his friends.

OUR NURSE

MISS M. W. SIDLEY

A friend in need is a friend indeed

SERVICE MEN AT CHICAGO TECH.

By JOHN J. CROWLEY

Although five years have passed and the tendency is to forget the war, there is still among service men much of that spirit that during the war made their mutual greeting of "Buddy" the greatest of all fraternal words.

That there is quite a group of these men this year at Chicago Tech may be seen from a report of a committee of students the members of which were formerly a soldier, a sailor, and a marine.

This report shows that there are at present enrolled at the Chicago Tech, ninety-two service men, representing every branch of the U. S. military forces. Besides the men from the navy, veterans from nineteen different army divisions are here. Thirteen of these saw service on the western front as combat divisions of the A. E. F., while eighty-two of the men carry wounds or disabilities as a result of their military service. As circumstances have placed the latter in a position to appreciate the value of an education with more sincerity perhaps than the average student, a word concerning them might not be out of place. At the close of the war these men, many of whom had been following trades prior to their term of service, found as a result of their injuries they could not return to their pre-war occupations and must train for a suitable position. That they were wounded did not greatly concern them. That happened in the line of duty and was accepted with the fortune of war attitude common to military men. But rehabilitation did concern them. With this rehabilitation, then, as their objective, they entered Chicago Tech. At first many of them found it difficult to adjust themselves to their new conditions. It is not easy for everyone to pick up the loose ends of school subjects dropped years ago and there is also a wide difference between dodging machine gun bullets and shrapnel on the battlefield and becoming accustomed to the routine of the classroom. There was a general restive feeling, steady application to a subject was a disagreeable task, and resentment followed a failure in the solution of a problem. No matter however these men differ as individuals, most of them will agree they shared this state of mind. All of which has at times required of the faculty, instead of being guided by any fixed system, a frame of mind to meet the point of view the better to show these men how to adjust their own battle sights. And the men, regardless of whatever self reliance they may have gained through military training, know they are dependent on this cooperation of the instructors to make good in their college training. All this aside, the thought uppermost in a service man's mind during a military attack is to gain the objective designated by his superiors. This trait as a rule he carries with him into civil life. So, taking them in the aggregate, once they are started in the right direction, the service men as students at Chicago Tech, knowing their objective, tackle their college duties with the same determination they carried into the war—the fixed ambition to win.

THE "DO-ANYTHING GUY"

U. S. ENGINEERS

Late of a morning paper,
  Joined in a state of fatigue.
Late of the forestry layout,
  Or late of the Three-Eye League.
Late of a job on Broadway,
  And the work seems a trifle queer—
With a road to drench, or a fire to quench—
  Dugan, the Engineer!
    Old Do-Anything Dugan—
    Dugan, the Engineer!

A fire to drench or a thrist to
    quench—
  He can span a gap with a wooden
    bench;
He can build a trench with a mon-
    key wrench—
  Dugan, the Engineer!
    Old Do-Anything Dugan—
    Dugan, the Engineer!

Hear of the gang at Cambrai?
  Surely you must have heard!
That was his style at Cambrai—
  (Or however you say the word).
That is the style of Dugan,
  Keeping the roadway clear;
He can lay track well on the lid of —
  Dugan, the Engineer.
    Old Do-Anything Dugan—
    Dugan, the Engineer.

He can lay that track to hell'n back;
  Scrap at hand, he'll have his crack—
Railroad shack or lumber-jack
  Is Dugan, the Engineer!
    Old Do-Anything Dugan—
    Dugan, the Engineer!

COMRADES AND SHIPMATES

ATTENTION TO ROLL CALL

(With squad tent comment)

M. N. RAWITCH (Instructor) ..... Heavy Artillery

La Fayette is back in school.

V. G. HREBEN (Instructor) ..... 16th Infantry

Few are warriors by trade,
But here was a soldier ready made.

L. McKEON (Instructor) ..... U. S. Navy

A "Tar" that stuck like pitch to his ship.

C. ANTONOPOLIS ..... 129th Infantry

First in peace and first in war.
Same thing when they sounded pay call.

G. T. ANTHONY ..... 8th Machine Gun Battalion

Hail, hail, the gang's all here—
But we mustn't say the bad word now.

N. AMODT ..... U. S. Navy

He's sailed the sea with a sailor's joy,
And at friendly fleets he'd chirp "Ahoy!"

ARCHIE ALLEN ..... 31st Infantry

You bet I felt proud when I landed home
With an overseas cap on top of my dome.

A. BUTTERFIELD ..... Aviation U. S. Navy

With a Yankee inventiton to conquer the air,
Not stopping to mention that U-Boat affair.

W. BRYER ..... 116th U. S. Engineers

My country, 'twas for thee
They fed corned "Bill" to me.

L. S. BROUILLARD ..... 128th Infantry

"Pay day, pay day," that was the call
He loved the very best of all.

F. H. BOCK ..... 33rd U. S. Engineers

I loved corned beef; I never knew
How good the stuff could taste in stew.

ROLL CALL

ROY BERKEY ..... 125th Infantry

Down went his bomb and his rifle;
Up came his pencil and his pen.

* * *

W. J. BENNET ..... 127th Infantry

A remarkable Doughboy. He never called it
"Squads East."

* * *

W. J. BECK ..... 137th Infantry

Double Time.
On the jump he'd always keep;
He still does it in his sleep.
Double Time.

* * *

J. J. CONNELLY ..... 113th Infantry

Like a tourist I did Europe,
Wearing my little tin chapeau,
Riding in those side door Pullmans
"40 Hommes or 8 Chevaux."

* * *

J. J. CROWLEY ..... 135th Machine Gun Battalion

In France I've slept with horse and cow;
I've dreamed in peace with bearded goat;
I've laid my head on rusty plow,
And with the pig shared table d'hote.

* * *

G. H. CHRISTENSEN ..... 352nd Air Squadron

Little drops on water,
Little drops on land,
Then little birds like this one
Has reached the promised land.

* * *

JOHN CASKIE ..... Motor Transportation Corps

The guy who made the first hard tack,
A dentist's friend was he.
I'd like to shoot him in the pants
And laugh aloud with glee.

* * *

FRANK R. CABA ..... 21st Infantry

Who harms a hair on yo' gray head
Dies like a dog. March on! he said.

ROLL CALL

G. DAVISON ..... 1st U. S. Engineers

Sherman was right. No argument.
I agree with him.

* * *

FREDERICK B. DIENNES ..... 2nd U. S. Engineers

He marched his men right up the hill,
Then marched them down again.

* * *

D. C. EVELSIZER ..... 108th Military Police

Just like a father to us.

* * *

EDGAR FIFIELD ..... 312th U. S. Engineers

"It was a great life if you didn't weaken."

R. E. FEY ..... U. S. MARINE CORPS

His uniform was spick and span,
In every line and curve,
And what he lacked in other things
He made up for in nerve.

* * *

S. N. FARTHING ..... 312th Military Police

"Let's see your pass, Buddy."

* * *

J. P. FARLEY ..... 6th Field Artillery

Sergeants to the right of him,
Corporals to the left of him,
Non-coms all around him,
No wonder he grumbled.

* * *

EDW. H. GAGE ..... 77th Field Artillery

"Front and Center."

ROLL CALL

HARVEY GUNTHER ..... 4th Provisional Regiment

"Get In Line."
From the time that I enlisted
Until "Jerry" Armististed.
I was standing, kidding, cussing,
I was waiting, fuming, fussing.
In the Line.

G. A. GRIPPI ..... 56th Infantry

Out of the battle of "Combien"
Into the battle of Calculus.

FRANCIS GLAB ..... 132d Infantry

I found old General Rumor
Generally wrong.

JOSEPH A. HANLEY ..... U. S. NAVY

The only "gob" who didn't think he could
Run the fleet better than the Admiral.

W. HOTCHKIN ..... 131st Infantry

Numbers we are better acquainted with
Then the faculty is —7—11.

D. HEASLEY ..... U. S. Navy

Tho' he stuck to his job
Like a good little "gob"
He couldn't find eggs in the crow's nest.

L. W. HUDAK ..... Hdq. 3rd Ammunition Train

Like a hero bold he performed his task.
What more could Black Jack Pershing ask?

FAY HUGHES ..... 11th U. S. Cavalry

Shades of General Sheridan,
My mess kit for a hobby horse.

R. A. HURTO ..... Naval Aviation

His bonny lies over the ocean.
Just like she lied to him.

ROLL CALL

J. W. HOLMES ..... Transport U. S. Navy

I shall no more to sea, to sea.
Here shall I die ashore.

C. IVERSON ..... Casual Detachment No. 565

"Buddy" means a chap who hands you
Knocks and boosts and understands you.

F. L. EVANS ..... 128th Infantry

Little cans of hard tack,
Little tins of "Willie,"
Made a mighty army,
But they nearly drove us silly.

JERRY KOUTNIK ..... 23rd Infantry

For all I've seen of cities gay,
And seas that swriled,
The place for me is the U. S. A.,
I tell the world.

FRED C. KLIENFELDT ..... 163rd Depot Brigade

I remember, I remember, the hours I did K. P.
Just for sleeping in at morn
Instead of standing reveille.

J. KELLER ..... 131st Infantry

O, boy, Doughboy, where do we go from school?

C. McCLELLAN ..... 339th Machine Gun Battalion

They had me working my head off,
Drilling from morning till night;
The officers called it "intensive,"
And you bet they were pretty near right.

CHAS. McNERNEY ..... U. S. Navy

What Seamen see, and Yeomen yeo,
And Skippers skip, and Bos'n's Bo
Were mysteries to me.

B. M. MAMOSER ..... 61st Infantry

You were a better man than
I am "Vinegar Blink."

ROLL CALL

LEO MAHONEY .....5th Corp. Artillery Park

They gave me pills for many ills,
The pills were all the same;
And then with brush and iodine
They'd decorate my frame.

—"Check."

H. J. MURRY.....2nd Divisional Headquarters

When time was slack on the doctor's hands
With a vaccine point he'd nick me;
Or a hypo filled with a dozen brands
Of bugs he'd use to stick me.

W. E. MOQUINN .....1st U. S. Cavalry

I love it hot, I like it cold;
Canned "Willie" never will grow old.

HOWARD NELSON .....4th Infantry

Back from the trenches and mighty glad,
A regular sheik when "Civvie" clad.

V. R. NICKEL.....U. S. MARINE CORPS

"Should a soldier or a sailor
Ever gaze on Heaven's scene
He will find the streets guarded
By the U. S. Mar——"
(Quit kidding us, Leatherneck.)

H. M. NORDIN .....131st Infantry

It seems to me but yesterday
That I went plodding neath my pack,
Parading like a snail through France,
My house upon my bloomin' back.

ROLL CALL

C. A. OLSON ..... 127th Infantry

"Hindy-dinky, parlez vous."

F. H. OSTRAND ..... 129th Infantry

"We paid Lafayette. Now who do we owe?"

JOHN PALAS ..... 1st Army Headquarters

In "Sunny" France the rain came down
For days and days in a row;
Then the mud appeared in a thick brown ooze,
And we wallowed wherever we'd go.

J. PETRZELKA ..... 25th Engineers

"Say ah-h-h and sign here."

ROBERT READ ..... 127th Infantry

I wonder where all the canned "monkey meat" came from.

ELMER J. REIDER ..... 150th Machine Gun Battalion

Others called it the "suicide squad,"
But he took it all in fun,
Whistling "Yankee Doodle"
As he sat behind the gun.

EDWARD T. RILEY ..... U. S. Engineers

I did not like their lingo,
Nor did I like their looks,
But I knew I could not do without
Those greasy army cooks.

ROLL CALL

DEWEY RITENOUR ..... U. S. Marine Corps

A remarkable Leatherneck:
He never called Non-Coms "Hand Shakers."

E. A. ROLOFF ..... 21st Infantry

I was doped with germs
Of the well known grippe,
And my system was vaccinated
With bugs of smallpox, typhoid and pip;
(I was excessively populated.)

E. RUNDQUIST ..... 108th Engineers

"Encove Vinegar Blink." "Toot Sweet."

THOMAS RUSSEL ..... 128th Machine Gun Battalion

I've slept in my clothes for a fortnight or more
In a dirty cantonment or shed,
And could see the moon laughing down through the roof
At the rats playing tag 'round my head.

LAWRENCE J. RYAN ..... 2nd French Army

Apres la guerre fini
Soldot Amercaine partee.
(What's in a name?)

JOHN SCHEIBACH ..... 150th Machine Gun Battalion

They fed me beans and bacon
Here in camp and over there
Till my stomach, it was achin'
For some other bill of fare.

A. J. SHEEHAN ..... Headquarters, 127th Infantry

You've heard of the curse of an aching heart,
Or the curse of the man in pain,
But the curse of our hike through "Sunny" France
Was the mud—thick mud—and the rain.

ROLL CALL

R. C. BERG.....Signal Quartermaster, U. S. Navy

With a Yankee crew and a Yankee Skipper
YO, Boys, YO!

* * *

G. W. CLINE.....U. S. Infantry

"Sentry, do you know your General Orders?"

* * *

I. FRISBY.....3rd U. S. Engineers

For the miserable there was no hope but Iodine and O. D. pills.

* * *

H. SHORT.....131st Infantry

We've faced the luck of war with men
Of many ranks,
But I wouldn't want the job again
For beaucoup francs.

THOMAS J. SLOAN.....348th Motor Transportation Corps

Food for the Gods. We've had enough of it.
I speak of "Gold Fish" and "Monkey Meat."

* * *

G. SPROUSE.....124th Machine Gun Battalion

Canned Stew! They even tried to put a tin suit on the slum!

* * *

J. J. SULLIVAN.....Aviation U. S. Navy

The gob that stood on the burning deck;
To do that stunt one must be brave;
But he couldn't swim to save his neck,
There's the reason why he stayed.

* * *

I. SWEDBERG.....117th U. S. Engineers

At one time some boob some place in France caught a glimpse of the sun. It astonished him and he sat down and wrote a poem about it and called it "Sunny France."

ROLL CALL

JOSEPH SZUDROWIEZ ..... 72nd Coast Artillery

We never hold intercourse with the city police like we did with the M. P. If we did they'd call the patrol wagon.

* * *

A. T. SWANSON ..... 30th Infantry

It haunts me by night and in daylight bright,
It will haunt me when I am dying;
That insidious smell I know so well,
The smell of bacon frying.

* * *

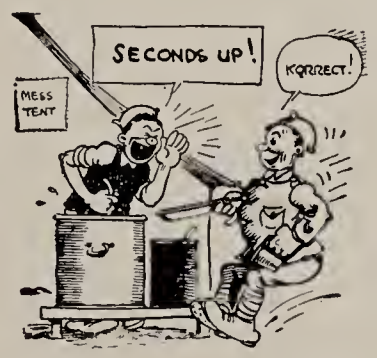
W. F. TELL ..... Aviation, U. S. Navy

Here's to the "Jackie" that weatherd the storm.

* * *

G. R. SKEWS ..... 103d U. S. Engineers

You can read of "khaki heroes,"
And of "gleaming bayonet,"
But there's one thing that the writers
And the artists all forget,
That's me,
On K. P.



MATH. E. HOFFMAN ..... U. S. Navy

"You may fire when ready, Gridley."

❖ ❖ ❖

W. A. TYSCHPER ..... 29th Engineers

I'd sometimes think of cake and pie,
I'd think of home with pain,
And wonder if I'd ever sleep
Till nine o'clock again.

* * *

L. JOHNSON ..... Aviation U. S. Navy

"Don't give up the ship."

ROLL CALL

R. F. HINZE ..... 31st Infantry

Like little Jack Horner I went to the corner
When I bid the army good bye;
But I learned with dismay that while I was away
The joint on the corner went dry.

* * *

R. GARNER ..... 2nd Corps, Artillery Park

"Hand Salute."

* * *

PALMER ANGELINI ..... 36th Battalion, U. S. Guards

"Halt! Who is there?"

* * *

LAWRENCE McGINNIS ..... 313th Cavalry

We'd bounce and gallop, horse and I,
In vain his speed I'd try to check,
While listening to the Non-Com's cry,
"Hey, you, get off that horse's neck."

* * *

B. GORSKIE ..... 11th Infantry

When hiking through the mud,
And all the world was wet,
Life seemed still all roses
(If I had a cigarette).

* * *

W. R. WEIGLER (Instructor) ..... Air Service

Like a grand old eagle soaring high,
To guard the Banner in the sky.

* * *

C. T. GRAHAM (Instructor) ..... Light Tank Corps

Although he was an engineer
Nothing did he fear.

ROLL CALL

E. J. UMPHREY.....Pilot School Det. Air Service

I'd blush when I think of the state of my neck,
But what kept me going and keen
Was the thought that next day, or next week, or next month,
I'd be rested, mended and clean.

* * *

GEORGE J. WARNER.....U. S. Navy

"What ship, Jack."

* * *

A. TENNANT.....34th Infantry

Some streets that were crooked and houses of stone,
A very small room that the peasants called home,
A queer little kid with a patch on his pants,
Was my first impression of "Somewhere in France."

* * *

WILLIAM M. WELSH.....28th Infantry

I've slept with the gander's flock;
By waddling duck, I slumbered on;
In fact I've slept with all the stock;
I'll bet they miss me, now I've gone.

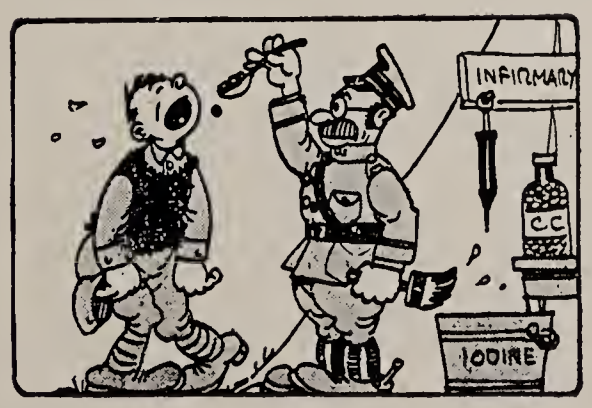
* * *

"AT EASE"—"REST!"

We've traveled far on land and see;
It mattered not if we were broke;
But we've missed much, it seems to me,
If now we cannot take a joke.

"ATTENTION!"

"DISMISSED."



DID IT HAPPEN TO YOU?

Nov. 11, 1918.—Armistice Day A. W. O. L.
Nov. 12, 1918.—A Headache, Broke, No Mademoiselle.
Nov. 13, 1918.—A Couple of O. D. Shirts to Sell.
Nov. 14, 1918.—Dodgin' the M. P.'s, All is Well.

Dec. 22, 1918.—Tryin' to Get Back to the Outfit Still.
Dec. 23, 1918.—Hittin' for Brest Just "Over the Hill."
Dec. 24, 1918.—Saronay Hospital Can't Cough Pill.
Dec. 25, 1918.—Christmas Dinner on Old Corned Bill.

Feb. 20, 1919.—Doc Says Fever Has Got My Brain.
Feb. 21, 1919.—Won Ten Dollars at Craps Again.
Feb. 22, 1919.—Complained to the Doc About a Pain.
Feb. 23, 1919.—Leavin' for Brest on the Red Cross Train.

May 1, 1919.—Waitin' for a Boat, and Askin' When
May 2, 1919.—Pay Day's Comin' for Homesick Men.
May 3, 1919.—Service Records are Here and Then.
May 4, 1919.—Back in the Hoos-Gow Once Again.

—Bob David.

* * *

Lieutenant—Whoinell put these flowers on this table?
Sergeant—Commanding Officer, Sir.
Lientenant—Pretty flowers, aren't they.

* * *

LOOKED GUILTY

A country school board was visiting a school and the principal was putting his pupils through their paces.

"Who signed Magna Charter Robert?" he asked turning to one boy.

"Please sir, 'twasn't me," whimpered the youngster.

The teacher in disgust told him to take his seat; but an old tobacco-chewing country man on the board was not satisfied, so, after taking a well directed aim at the cuspidor he said: "Call that boy back I don't like his manner, I believe he did do it."

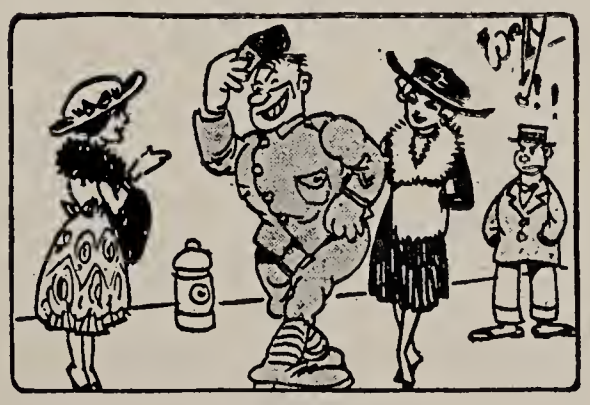
Training is everything. The peach was once a bitter almond. Cauliflower is nothing but cabbage with a College education.—Mark Twain.

L'ENVOI

The nights we spent, where the Bosche flares lent
  Their red to the moonlit sky,
Are now forgot and another spot,
  Has lured our footsteps nigh.
The hard heart thrills for the Rookie drills
  Are things of a soldier's past;
And gleams of home across the foam,
  Have called us all at last.

When rifles rust and the dingy dust
  Collects on the I. D. R.
Our thoughts will grope for the periscope,
  With visions of fields afar.
Of parts we played and of pals we made,
  That drift through a golden dream;
Brought from beyond with the halcyon,
  When memory reigns supreme.

—J. J. C.



As You Were.

TAPS

FELIX WASHAKAS

November 10, 1918.

MALCOLM VAN BILLIARD

August 20, 1921.

THEODORE VAN LAER

January 14, 1922.

No longer on their ears,
  The bugle's summons falls;
Beyond these angled spheres,
  The Archangel's trumpet calls.
And by that trumpet led,
  Far up the exalted sky;
The "Army of the Dead,"
  Goes by, and still goes by.

Look upward, standing mute,
"Salute."

MOTION PICTURES AT CHICAGO TECH.

By V. G. HREBEN.

In the early part of the fall term of 1923, Mr. Morey exhibited the picture, "Oxygen, the Wonder Worker." This was the first step toward lectures of this kind.

The picture was viewed by nearly all the students and ever since then the assembly hall has been filled. Those who took interest in these pictures have benefited by it. Since pictures are educational and interesting, through the courtesies of Mr. Morey who gives us the consent to use the projector. The various manufacturing companies and the Department of the Interior, Bureau of Mines, who loan us their films we can clearly see what would be very difficult to show by other means.

The films that are coming are as good as those shown so far. The following list contains all pictures and lectures that we have seen and heard and some that are coming. Many of these pictures have been viewed by Ford Motor Co. and the Society of Heat Treating of Metals for Educational purposes.

Radio .....Nov. 8, 1923
American Telephone and Telegraph Co.

Mfg. of Asbestos .....Nov. 13, 1923
Johns Manville Co. (By Mr. Scott)

Water Power .....Nov. 20, 1923
Western Electric Co.

Bridges ..... Nov. 21, 1923
By Straus Bascule Bridge Co.

Triangulation .....Nov. 22, 1923
Eugene Mac Nair Asst. Chief Engineer, U. S. G.

Story of Steel ... .Dec. 4, 1923

Story of Electric Meter .....Dec. 6, 1923

Firestone Rubber .....Dec. 11, 1923

Delco Light .....Dec. 18, 1923

Dupont Powder .....Dec. 20, 1923

Railroads .....Jan. 11, 1924

Irrigation .....Jan. 18, 1924

Lumber .....Jan. 30, 1924

YOUR ALMA MATER

By Edward Ottoman.

A College with good reason is called "Alma Mater." A College is like a Mother with whom we would linger even though we hear the voice of duty calling. In the course of your College days some of you at one time, no doubt due to discouragements of one kind of other, thought of leaving forever. But now that you are about to graduate those hours of discouragement are forgotten and you think only with sorrow of the immediate separation.

On leaving your Alma Mater on Commencement, you are conscious of increased power and anxious to test your strength in the bigger world and I know eager for the struggles of life. You leave behind you the years of preparation; also the books and men who have taught you the value of system and reason; likewise the many comrades who have helped to mold your characters.

You will however turn back again and again, with a sense of loss that the zest for new schemes can not still, to your Alma Mater who taught you to use your strength, giving much and demanding little. You will no doubt realize with a great deal of regret that in the home which was your own for a few years, others will take your places and that Chicago Tech, however dearly held in memory, can never be all-in-all for you again.

We, as mortals, never realize the full value of our possessions until we are put to the test of parting with them. You now know how true this is when you look back over the two years. In the light of results from your past actions, you may find many situations where you might have done differently. But even though you did not realize the debt due your Alma Mater, the class of 1924 has been very thoughtful. You have stood behind the Alumni in their efforts for a greater organization and a more unified College spirit; your Athletes have won Chicago Tech victories on diamond and basket ball fields and the rest of you have been loyal supporters.

In the past you have thought that your attendance at classes and a regular routine of work constituted your full duty, but it does not, any more than books and instructors constitute the sole educational factors in College. You have learned from your fellows, in the course of whose comradeship your own faults are corrected, and whose words you are inspired to order your lives differently. You have seen a little further into the meaning of life and its responsibilities with each day's intercourse, in class room or out. You have learned that there is joy in reason and reason in joy; the merriment of the College man is not without its lesson. As you are

learning through books the meanings of systems of thought, you learn from your fellows tolerance and cheerfulness both necessary foundations for the life that the future holds for you.

None of these benefits are the direct result of study; they are the outpourings of a College society whose individuals represent the widest ranges in American life, moved hither by a common desire for knowledge, and bringing with them the peculiar ideals and habits of their section and state. And because these benefits are the result of a society that can not be duplicated, they are worth more than great riches. In return for them you owe more than a mere performance of intellectual routine; you owe to your College an understanding loyalty that shall ever seek ways and means of making your Alma Mater of tomorrow greater than your Alma Mater of today.

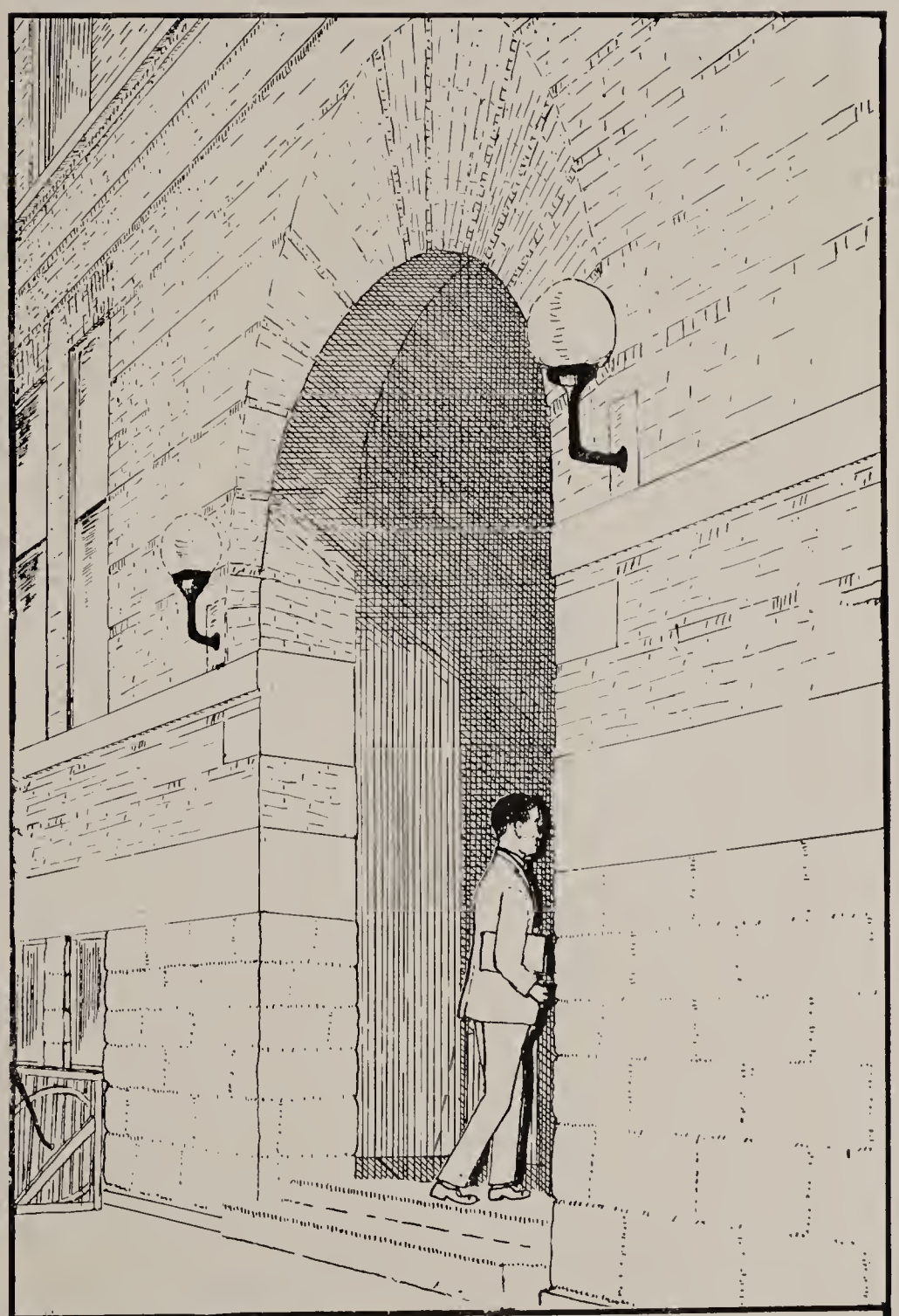
I know if you may have failed in this, your future as alumni will see a determined effort to repay with loyal service, whatever and whenever you can, the gifts your Alma Mater has bestowed upon you.

* * *

THE SEEING EYE

A curve in the road and a hillside
  Clear cut against the sky;
A tall tree tossed by autumn wind,
  And a white cloud riding high;
Ten men went along that road;
  And all but one passed by.

He saw the hill and the tree and the cloud
  With an artist's mind and eye;
And he put them down on canvas,
  For the other nine to buy.



Junior

THE JUNIOR CLASS

WILLIAM L. SHEARS.

Every school has its banner class, and Chicago "Tech" with arms open, welcomed at last its banner class when the doors were thrown open on that memorable September morning A. D. 1923.

They entered in gallant array to set sail upon the tricky sea of engineering, with an exact purpose in mind, and a great goal to attain and as far as they have gone, they have shown that fighting, struggling never-say-die spirit of the true Amercian man.

Every organization begins with that which is vital to the longlivity of the organization. The first vital step is the selection of men who are capable of leading the organization through periods when the sailing is the roughest and when men are doubtful as to the success of the journey.

Under the leadership of R. A. Egelhoff as class president and as subordinate officers, H. J. Murray, C. Vennetti, and A. Kukural, the class ship has sailed in a serene course and remains as it started with a one hundred per cent American and loyal crew.

The first event of importance was on that memorable evening of November sixteenth when the Junior class was host to the school at the annual Junior Smoker, and in keeping with the record the class had previously established the smoker was the most mirthful and joyous entertainment that the school has had the privilege of enjoying for many years.

The class has now acquired a firm foothold and is rapidly progressing, by holding steadfastly to the right they will undoubtedly maintain the ideals they have been taught at Chicago "Tech," and in after years when their craft is launched upon the sea of life, we feel certain they will profit by living up to them.

JUNIOR OFFICERS

R. A. Egelhoff ..... President

H. J. Murray ..... Vice President

C. Vennetti ..... Secretary

A. Kukural ..... Treasurer

L. Gimmy ..... Modulus Representative

Junior Smoker Committee

H. J. Murray ..... Chairman

C. Vennetti — C. Olson

L. Wood — D. Ritenour

1925 Modulus

L. Gimmy ..... Editor-in-Chief

E. P. Goelzer ..... Business Manager

THE JUNIOR SMOKER

One balmy night in November we gathered in a down town hall at the annual Junior Smoker.

Act One: "Why I came to the Chicago Tech," a monologue by the guy that put the oil in Texas.

Act Two: A Mad Magician from Evanston, he made flowers grow along side of Hurto (Pretty good, eh?)

Act Three: A song in calculus by the famous tenor, Mr. Hreben.

Act Five: Three rounds, Ritenour vs. Lohr.

Act Six: The feature of the evening a two-act playlet, "Oh Death Where is Thy Sting," starring Prof. Jackson of heat engine fame.

Act Seven: Three rounds, Ritenour vs. Vennetti.

Act Eight: A song and dance skit by Prof. Manton and Weigler.

Some where between acts three and five why Wong sang "That Old Gang of Mine," and on the encore sang "Sleep Baby Sleep," all done in his old style or as the Hong Gong Opera Co. would do them.

Plenty stogies (good ones), cider and cakes.

Butterfield donated a watch made by the Chicago Iron Works and it was raffled off.

A battle royal 'tween Texas and Carolina ended in Alaska getting the verdict, and also ended the program.

Come again, say we.

CHARACTERISTIC

Johnston ..... Driving a Car

Skewes ..... Cerebellum

Frisbey ..... My Hair

Diennes ..... Plodding Wins the Race

Ritenour ..... Son of Hercules

Tye ..... In A. C. Lab.

Mr. Black ..... Curls

Ryan ..... Tardiness

Fey ..... The Line He Hands You

Carlisle ..... Ever Present Grin

Lutz ..... Statics

Moquinn ..... Oh So Scholarly

McClellen ..... His Length

Paturalski ..... Strong Voice

Rothe ..... Always Quiet

Theiman ..... That Original Hair Comb

Reider, E. J. ..... Independence

Nordin ..... What the Girls Think of Him

Uemoto ..... Yap Yap Yap

Poland ..... Basket Ball

Pierce ..... Early to Bed

Finkelstein ..... Ask Me

Mahoney ..... His Popularity

Riley ..... Hogan's Alley

ALUMNI

JUST JOKES

"Ohhhr Samual, vat you tink? I vas arrested for speedink today."
"Vat you? Vy you half no car, half you?"
"No, not that, speedink on the sidewalk."

* * *

Tupes—"You seem very sleepy, were you out late last night?"
Student—"I had to sit up with the baby, sir."
Tupes—"Oh, I see. How old was the baby?"

* * *

"Take it from me," said the Senior, "there are two kinds of women one can't trust, those with bobbed hair and those without it."

* * *

To student carrying dinner bucket it was asked: "Working?"
"No, I am going to register."
"Flappers Male and Female," begins a writer, why not flappers and flapjacks?

* * *

Fielder, in a movie, to Rawitch sitting behind him—"Can't you see?"
Rawitch—"Not a thing."
Fielder—"Then keep your eye on me and laugh when I do."

* * *

"How did you come to fall out with that girl?"
"Well, she asked me to be perfectly candid and tell her how her hair looked, and I did."

Organizations & Activities.

THE BENEFITS OF SOCIAL ACTIVITIES

By PROF. MANTON.

The student who enters school does so with the idea of securing an education that will fit him for the battle of life.

Speaking of education will necessarily bring out the fact of what really constitutes an education. No education would be complete without the use of text books, personal instruction and inspection trips.

We will grant that the student has completed his course of study satisfactorily and received his diploma. He is therefore supposed to be fitted for what is to come, but is he?

Prepared with what is generally accepted as all that could be desired he is not in any position to go out because he needs careful training in meeting people, in talking to strangers and in methods of approach, this is all important, for what will it benefit a man to possess all and not to be able to sell what he has.

A graduate student applies for a position, he states his qualifications and is finally granted an interview. If he goes to this interview with shaking knees and embarrassment written all over his features how can he hope to make a good impression. How can he expect to sell his services? When the interview is ended if he has been employed at all, he finds himself attached to an unimportant position with the corresponding small salary.

How can the student attain this important, though often neglected part of his educaiton? The path is easy and a pleasant one, take part in the social life of your school. Be an active not passive student.

Social life is almost endless, there are class meetings, strive to be elected to an office. Learn to stand on your feet and address the meeting, take the floor at all opportunities. Get behind dances and smokers, etc. Do your part.

If you are not interested in these events turn to Athletics, there under an able coach you will learn to fight. Fight hard, take the bumps that are coming to you and come back for more, but above all things learn to fight clean. Training of this kind not only puts you in good physical condition Lut the benefits of mental training cannot be estimated.

Then there is the year book, one of the biggest things of the school year. The requirements are endless and any student can find work suited to his particular ability. Here is the opportunity to develop salesmanship, ability in the sale of the book and the advertising. Artists are also in demand for the making of the cover designs, the cartoons and the art panels. Editorials are needed and provide a fertile field for one who desires to write.

The Fraternities are often spoken of as the life of the school. Fortunate he is who is chosen to join one of these Frats. Here are made the friends who can and will be of great value to you in your career. The true fraternity brother is always alert to lift another who may require it. In the meetings are numerous opportunities to present your views.

When you have finished your school work, have taken your share of the responsibilties and carried them through to success, then and then only are you in a position to go into battle, knowing that you are thoroughly equipped to meet what is to come.

THE
ENGINEERS'
CLUB

THE ENGINEERS' CLUB

William J. Beck ..... President

J. Palas ..... Vice-President

F. Hughes ..... Secretary

D. Evelsizer ..... Treasurer

EXECUTIVE BOARD

E. E. Tupes

E. Ottoman

C. Graham

H. Black

C. Jackson

M. Rawitch

V. Hreben

W. J. Beck

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O. Anderson
J. Ahr
J. J. Ahern
G. Anthony
W. Bruder
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P. Damiane
G. Davison
L. Frase
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L. Gimmy
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C. Peterson
C. Quinn
H. Ryder
J. Rohan
E. Riley
E. Rundquist
M. Shills

S. Sill
A. Swanson
F. Tye
A. Thieman
W. Tyschper
W. Tell
A. Tennant

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H. P. Manton
F. Fielder
S. W. Howe
A. Butterfield
C. Vennetti

W. R. Weigler
W. Rothe
C. Uemato
F. Evans
H. Nelson

THE ENGINEERS' CLUB

The Engineers Club was organized in 1923 for the purpose of bringing together the men most interested in the enginering world.

Today it is known that the Engineers is the most successful organization in the Chicago Technical College.

Statistics prove the students on graduating, find ready employment. In fact there is a steady demand for the graduates. Forty per cent entered the structural field, while thirty per cent take up railroads and irrigation. Fifteen per cent are in the miscellaneous branches of engineering, with the remainder seeking only the education.

Th officers are constantly in touch with the many industries of Chicago and beyond, and on graduating the student finds the handicap entirely removed.

ENGINEERING AS A PROFESSION

By C. GRAHAM

A few months ago the world was awakened. The electrical wizard, the genius of the age had departed. The master mind had ceased to toil for mankind. Steinmetz, whose unselfish motives and profound devotion to his work had stamped him martyr to the Engineering Profession, was gone. Yet only a few outside of the engineering profession knew of him. He was only a genius, an exaggerated example of the Professional Engineer. He forsook the advantages and pleasures which attend wealth because he loved his work. His genius was commercialized by a few business men devoid of education but endowed with business ability.

We rarely think of that great engineering achievement, the Panama Canal, without recalling the name of Col. Goethals. He was the organizer, the administrator. But who was the engineering genius?

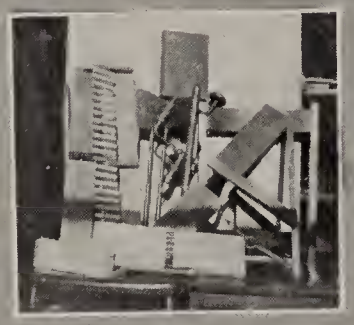
Only a few know. In a rickety office in the outskirts of this city sets the "brains" of a large manufacturing concern. He is the keystone to the organization. He is only a chief engineer. Without such a man the company could not exist. Yet the owner himself was a blacksmith up to the age of 40. His education is limited. He is reaping stupenduous profits from the "Chief's" efforts. He is an administrator, an executive.

The engineering profession is of such a notice that most engineers after a few years find themselves in the employ of some large corporation. Only a few establish themselves as consulting engineers with a business of their own.

The majority soon awake to the fact that some one is realizing heavily on their labor and seek other lines of activity. A few stick it out through mere love of their work as their salary is usually highly incommensurate with their efforts and responsibilities.

How can the young engineer avoid this kind of a future? Let him keep out of the Engineering departments of these concerns and later the branches which point toward the more desirable positions. Let him confine his efforts to becoming an administrator, an executive, a sales engineer.

No education helps him more in these lines than a technical education. If an education teaches one to think then it has accomplished much. If no curriculum is there to be found more subjects requiring thinking than is that of a technical education.



LOOKING FORWARD

ERNEST TUPES

The members of the class of 1924 are approaching the end of their scholastic work and naturally are looking ahead and planning for the immediate future. The class is particularly fortunate in graduating at a time when all lines of construction work are at high tide and, for that reason, the graduates find it relatively easy to start in the particular line of their chosen profession which they may prefer. Statistics show that approximately ninety per cent of those following engineering as a profession are in the salaried class and by reason of the demands for their services fluctuating with the general industrial conditions many of these men find themselves out of employment during periods of hard times, not by reason of any deficiency in their ability or training, but because construction work slows down earlier in such times of depression and starts again later than in any other line of business.

This presents a problem for the individual graduate to consider in selecting his particular line of work and he should by all means take a long look ahead rather than at the immediate prospects. A tempting salary may be available at the outset in a position which has no future either in the way of permanency or experience that would fit the holder for other lucrative and responsible positions. It would be better by far to take a position with a relatively low salary, providing there are good prospects for advancement, than to accept the higher salaried positions which are lacking in opportunities for growth.

There is no training better adapted as a foundation for a successful career either as an executive of a corporation or in the building up of a business of one's own than a technical education presents. Every man has the ambition, either latent or prominently in the foreground, to achieve the independence which is the possession of those only who have a business of their own to run. The graduate should early begin planning to start a business of his own. This need not preclude his working for a time on a salary to get the capital and experience necessary to a successful start in business for himself but in so doing he should guard against drifting along with the fleeting years until he reaches that psychological state wherein he becomes afraid to attempt to launch his own vessel and prefers the security of a mediocre salaried position. The writer has knowledge of many men with engineering training who started in some sort of business for themselves either early or late, some to meet with reverses which they have had the resiliency to overcome, but all on an average better off financially and far more independent than those who have never made the start for themselves.

Attention is directed to the fact that a majority of the manufacturing businesses are based directly on a monoply granted by the government of

the right to make and sell one or more patented articles and that fortunes are frequently made in a few years' time by inventors who have had the business acumen to keep control of their own inventions and start, if necessary, in only a small way. Among the men who are graduates of Chicago Technical College [redacted] mind two who are still young in years. These men would disclaim being classed as geniuses but, because of the application of their training and skill to the invention of something useful, they each have a business of their own which they would not exchange for a position bringing a high salary. The world is full of opportunities for the men who are now graduating and no career offers greater opportunities for financial returns and the satisfaction of creating something which will better the condition of mankind than that of inventing and improving articles of manufacture and marketing the same. The technically trained men are the inventors of the present and by reason of their training will continue to be so and it behooves each of you to utilize your talents in the advancements of the Arts and Sciences as you find them.

* * *

Fine laces are worth their weight in gold. Fine weather is worth its weight in coal.

* * *

The goldenrod may be an humble plant, but hay-fever subjects unanimously agree that it is not to be sneezed at.

* * *

Now that motion pictures are shown on trains, it will no longer be necessary to kill time looking at mere canons, rivers and mountains from the observation platform.

* * *

Many of the so-called lazy are only those who have been forced to labor at wholly distasteful tasks.

* * *

A GOOD WAY TO END THE DAY.

"You can take your choice of studying or going to bed."

* * *

The youth today cries out in woe
  At opportunity's lack.
They say there is no virgin soil
  In which to pile up jack;
But a man can make his fortune—
  We'll lift a stirrup cup
To the soul who'll invent an alarm clock
  That will actually get us up.

HOW TO TRISECT AN ANGLE

By HOMER F. BLACK, Ma[redacted]tics

The unqualified statemen[redacted]gle cannot be trisected," is so often made tha[redacted] it worth while to finish the expression by addi[redacted]Plane Geometry." These last three words are gener[redacted]mitted.

By the use of the conchoid curve, studied in Analytic Geometry, any acute angle may be trisected as follows:

Let A B C be the angle to be trisected.

At any point e. g. D in B C, draw a perpendicular to B C, meeting B A at M.

On M A set off M R = 2 B M.

Draw other radii through B meeting the perpendicular M D at points N, O, P, etc., and making NS, OT, PU, etc., equal to 2 BM.

Connect the points R, S, T, U, etc., with a smooth curve, this drawing the conchoid curve R V.

Draw a line parallel to D C through M. Call the point where this line intersects the curve, x.

Join x to B. The line x B bisects the given angle.

Proof—Let Y be the point where x B cuts M D. Let J be the mid point of xy. ∴ J Y = J M = J X. (The mid point of the hypotenuse is equidistant from the vertices.)

∴ ∠ J x M = ∠ J M x. (base angles of isosceles △.)

But ∠ U B C = ∠ J x M. (Parallel lines cut by transversal, alternate interior angles equal.)

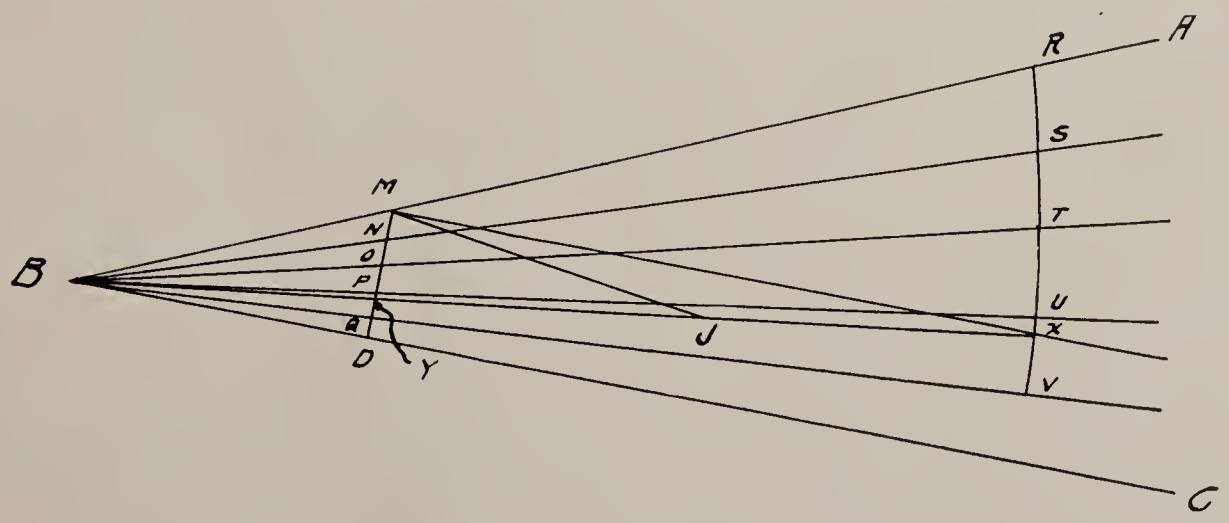
Also J M = M B (each being equal to J Y.)

∴ ∠ J B M = ∠ B J M (Base ∠s of isosceles △.) And ∠ B J M = 2 ∠ J x M = (J x M + J M x.) (The exterior angle of a triangle equals the sum of the two opposite interior angles.

∴ ∠ J B M = 2∠ J B C.

∴ ∠ J B C = ⅓ ∠ A B C.

If the given angle is obtruse, first bisect it, then proceed as above.



CAN YOU PICTURE

Bethke ..... Playing Football?

Brocken ..... Wearing Spats?

Wong ..... Wasting Time?

Paturalski ..... Going Wrong?

Scheiback ..... Giving an Oration?

Isenberg ..... As Messenger Boy?

Howe ..... As a Sheik?

Wangenstein ..... Picking Up Cigar Buts?

Pierce ..... On Time?

Gimmy ..... Wearing Specks?

Haugan ..... Out Stepping?

Berkey ..... Playing Golf?

Sharp ..... As a Duke?

Umphrey ..... As a Minister?

Wahlman ..... Boisterous?

Egelhoff ..... In a Pup Tent?

Larson ..... With a Quart of——?

Grippi ..... Without This Frock?

Holmes ..... Beating It?

Skews ..... Weeping?

Deal ..... When He is Happiest?

Lutz ..... In a Beauty Parlor?

Uemoto ..... Climbing a Coconut Tree?

Young ..... Cutting Meat?

Karlovsky ..... Playing a Violin?

ELECTRICITY 30 YEARS FROM NOW

By PROF. C. A. JACKSON

It is easy enough to find literature describing the growth of electricity for the past thirty years and all the reading matter discussing that subject would be very similar in its description. On the other hand in discussing what electricity will be thirty years from now the literature written on the subject will be far from similar in as much as it would only be prophesying or guessing.

Electricity in thirty years from now will undoubtedly be used much more extensively than it is now. There are several logical reasons why to expect this, viz: first the more people know about a thing the more likely they are to use it where it is advantageous to do so and we all know that the automobile, the electris horn, the radio, etc., are teaching people the theory of electricity very rapidly; second, it is reasonable to see that the cost of coal and oil as fuel is sure to increase rapidly due to the limited supply. The further into the ground we have to go for coal the more it is going to cost. If the fuel is going to cost more, then steam power will cost more; third, the developed water power of the country is 5,000,000 horse-power and the undeveloped water power is about 80,000,000 horse power. Water power is sure to get cheaper in as much as the reliability of water power machinery has reached that stage where it is not necessary to keep a duplicate steam plant in readiness to take the load in case the water power plant failed. On the other hand water power development is in its early stages while steam power is nearly perfected. If we conclude that water power is going to do away with steam to a large extent then all the heating of homes and factories will be done by electricity; fourth, the higher the voltage used in transmitting electricity the more economical it can be done provided the line can be insulated cheaply and this insulating problem is what has been partly solved within the last few years, therefore the electricity in the future wil be transmitted with a voltage of not less than 250,000.

From the foregoing paragraph it is reasonable to see that the electricity is going to be cheaper and more plentiful. Now let us see where it is going to be used. One place where it is going to be used more and more is the charging storage batteries for autos and for radio sets. A large amount of it will be used to electrify the steam railroads, especially for the terminals of the railroads. The most of the fuel used by the railroads today is used by the locomotives standing in the round house while waiting to be sent out on the road and electricity will be used to save this enormous stand by loss. Within thirty years from now a modern home will have no use for a janitor in as much as there will be no coal, no ashes, no steam pipes, no smoked ceilings, etc. All electrical appliances are still in their experimental stage you might say and these appliances will be perfected more and more each year, thereby stimulating the use of more electricity.

So far in engineering we have mechnical and electrical engineers which are somewhat antagonistic to each other, but the two professions are becoming linked together to such an extent that long before the next thirty years have passed we will have graduates of electro-mechanical engineers from our universities to take the place of our present mechanical and electrical engineers. In other words within a few years the mechanical and electrical engineering courses will be identical and this change will teach the mechanical engineers to see the electrical advantage where necessary.

The cheaper electricity is, the better lighted our streets and highways will be. A city well lighted will have less crime. I have no doubts that long before thirty years have passed that the public highways will be lighted up at night have distances of one hundred miles between cities. Night travel will be stimulated by these lights and the more travel on the highway at night the less opportunity criminals have for committing crime.

Kipling has sensed the thought of the engineer in the following lines:

They say to the mountains, "Be ye removed!"
  They say to the lesser floods "Run Dry!"
Under their rods are the rocks reproved—
  They are not afraid of that which is high.
Then do the hill tops shake to the summit;
  Then is the bed of the deep laid bare
That the Sons of Mary may overcome it,
  Pleasantly sleeping and unaware.

The above paragraph is the conclusion of what engineers have done, but the electro-mechanical engineer is going to do more for the world within the next thirty years than can be expressed in a paragraph similar to the one above.

* * *

COMPOSITION ON FROGS.

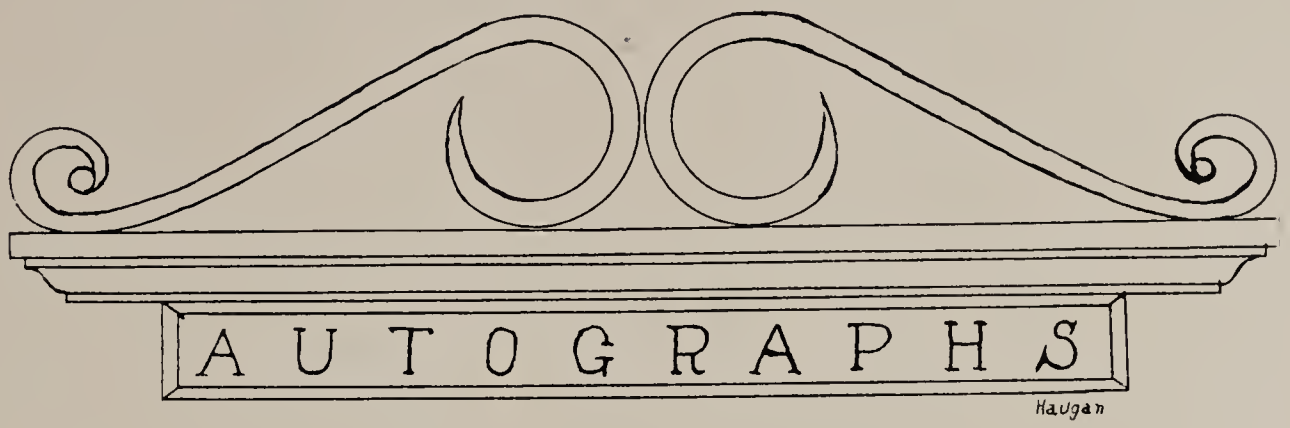
What wonderful bird the frog are. When he stand he sit, almost. When he hop he fly, almost. He ain't got no tail hardly, either. When he set, he sit on what he ain't got, almost.

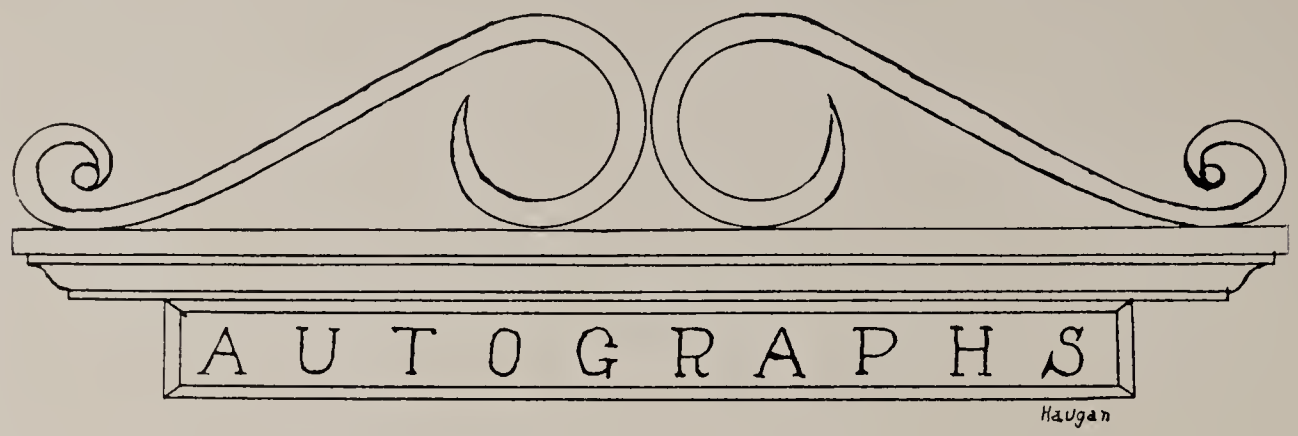
* * *

I'm in college where they say,
  The girls are awful wild;
But two years of its training,
  Have left me the same dumb child.

* * *

I can't see why they call 'em tough,
  When they gargle their throats with cinders;
Why, my daddy used to take a breath,
  And blow pains out the windows.


AUTOGRAPHS
Haugan


AUTOGRAPHS
Haugan

ACACIA
CLUB

CHARTER MEMBERS

ACACIA CLUB

THE CHICAGO TECH. COLLEGE

ACACIA CLUB

The advent of an "Acacia Club" at Chicago Tech has introduced a new and important feature in the student life—A feature not to be ignored in enumerating the factors that are working to promote better College spirit.

Acacia Club was organized in April, 1923, with a membership of 32, and now numbers 38 from eight different states. Its purpose is to promote social activities among the craft, promote good will among our associates, to conduct a general "Posting School" the better to enable us to become and remain "Well Qualified."

The social side of the Club has thus far been made attractive. An informal gathering and banquet was held in May at which the officers and members of the Club were delightfully entertained. A similar gathering was held in October of the present College year. These social gatherings together with the weekly meetings have promoted good fellowship and lasting friendships and what purpose could be more worthy, for friendship is the only thing in the world concerning the usefulness of which all men are agreed.

1924 OFFICERS

Carl Iverson ..... Chapter Master
Edward Ottoman ..... Vice Chapter Master
Hadar M. Nordin ..... Secretary
Archie L. Butterfield ..... Tyler
Samuel Farthing ..... Chaplain

MEMBERS

Oscar Anderson
H. J. Bier
Harold R. Bigelow
Archie L. Butterfield
W. E. Cundy
John Caskie
W. C. J. Duffels
Samuel Farthing
Clyde T. Graham
Oscar F. Harting

F. L. Wood
A. A. Berklund
Wilbur J. Bennett
Herbert C. Canfield
H. G. Carlisle
W. F. Cline
Robert E. Einhart
Joseph L. Fatz
James A. Holloway
Vincent Biska

Carl Iverson
G. Klein
Harold Knudsen
Benjamin E. Lathrop
C. L. McCorkle
Hadar M. Nordin
Norman F. Peterson
George M. Rennie
William Tell
Earl J. Umphrey

Archihold W. Gottstein
Chester A. Jackson
Delbert Meyer
S. R. McSwain
Edward Ottoman
Eugene Rundquist
William Shears
E. E. Tupes
J. L. Walkinshaw

WHERE----

Was All The Graphic Static Class Nov. 8th?

Does Mantas Get That Original Shave?

Did Murry Get That Marcel?

Was Every One When Good Luck Was Dished Out?

Paturalski Get That Hair Cut?

Did Egelhoff Get That Sweater?

Was The Word Work Originated?

Did Jackson Get His Pompador?

Does Gottstein Have A Good Time?

Does Hreben Get His Stacomb?

Did Hughes Get That Tie?

Did Koskenhovi Get That Suit?

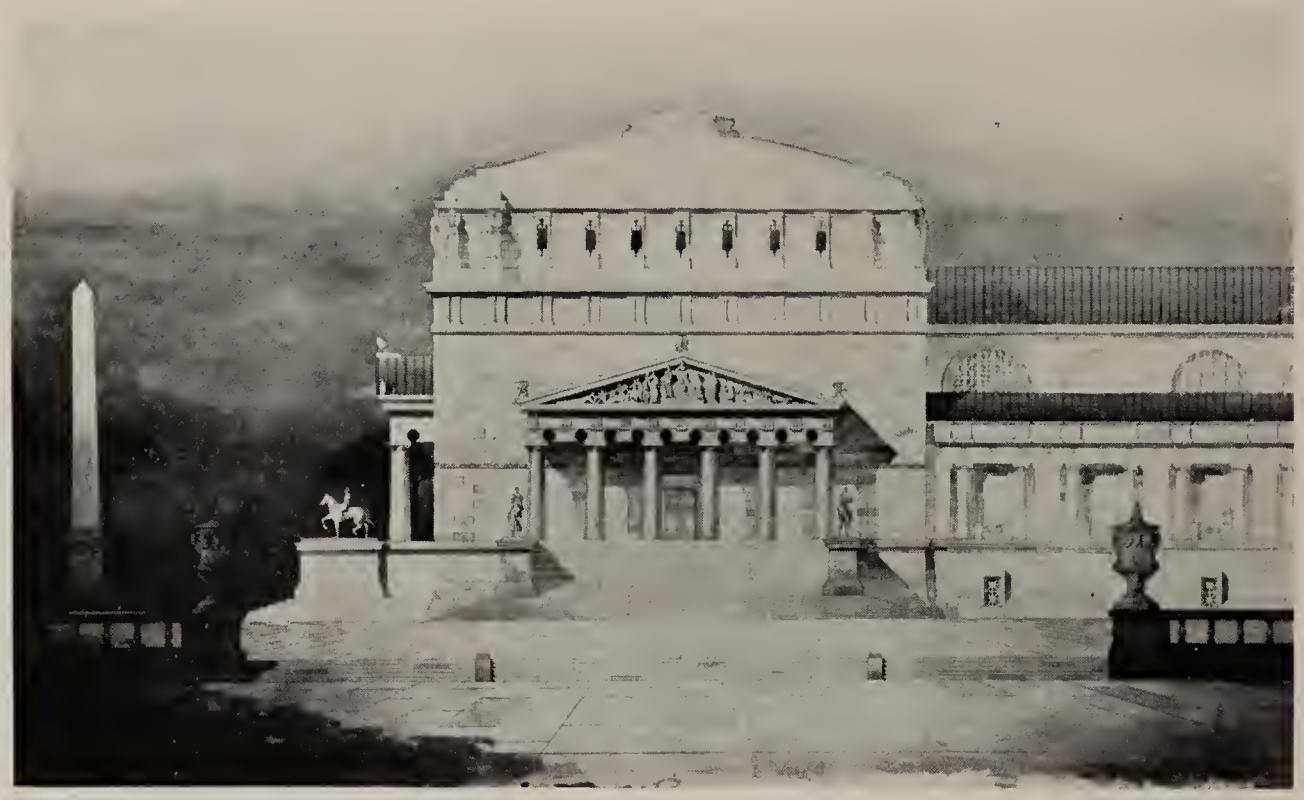
Did The Jr. Smoker Committee Get That Cider?

Does "Candy Candy Man" Sell All His Candy?

* * *

We Have Our Mighty Football Yells
And Songs That Seem Quite Nifty,
But The Universal College Yell
Is, "Dad, Wire Me Fifty."

ARCHITECTURAL
CLUB



PRIZE

At a recent contest staged by the Architecture Classes and club the above drawing came out in front as the first prize in its class.

This drawing was the efforts of F. D. Evans and proves he can do more than play golf.

* * *

The difference between a architect and a engineer is the difference between night and day.

(Note: The Editor is, or trying to be, an engineer and had to write up the above article.)

MEMBERS OF THE CHICAGO TECH. ARCHITECTURAL CLUB

OFFICERS

W. H. Rothe ..... President

D. Correll ..... Vice-President

S. W. Howe ..... Secretary

C. H. Uemoto ..... Treasurer

MEMBERS

Allen, A.
Angelini, P.
Antonopulas, C.
Begg, G.
Berkey, R.
Bethke, V.
Blankenbaker, A.
Braden, D.
Brocken, C.
Butterfield, A.

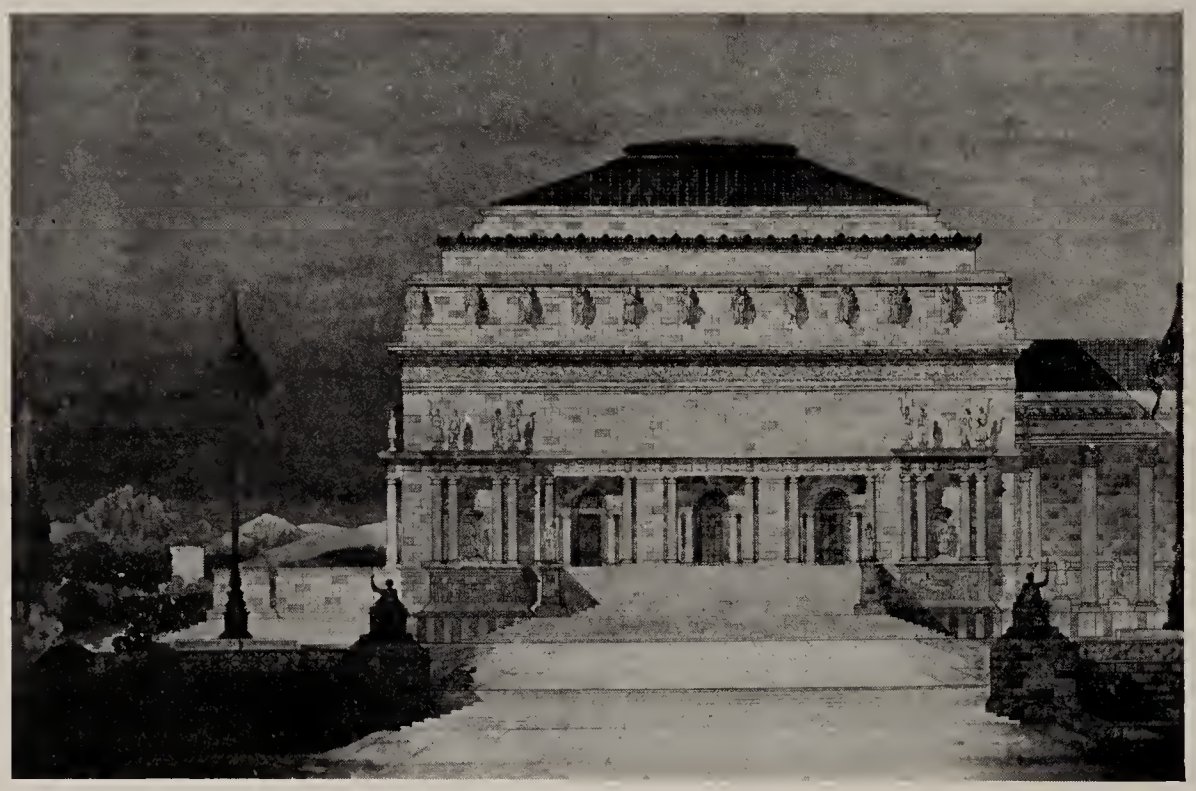
Caba, F.
Chicaro, J.
Correll, D.
Connelly, J.
Mantas, J.
Miyasaki, H.
Olson, C.
Hoffman, M.
Raffin, A.

Ratowski, E.
Evans, F.
Frisbey, I.
Glab, F.
Goelzer, E.
Grippi, D.
Hamaker, M.
Haugen, R.
Howe, S.

Kleinfeldt, F.
Koppke, H.
Lohr, H.
Lutz, P.
McClellen, C.
Nelson, H.
Paturalski, E.
Pearson, W.
Randall, R.
Reinking, E.

Ritenour, D.
Roloff, E.
Ryan, L.
Scheibach, J.
Sheveland, L.
Uemoto, C.
Wangenstein, W.
Wong, C.
Young, L.

Rohrback, H.
Rothe, W.
Rycraft, T.
Serra, R.
Sinowitz, N.
Vennetti, C.
Wilson, G.
Wood, F.



ANOTHER PRIZE

This one gathered in the first prize in its class.

The man behind was H. S. Miyasaki. They say he has some touch of being original. More power to him.

These contests have proven their worth, so let us have more of them.

Much credit is due the instructors for their untiring efforts.

* * *

DON'TS FOR ARCHITECTS

Don't get discouraged. The farm is a long way off.

Don't ever worry. Call in an Engineer.

Don't let an Engineer be your Press Agent.

THE CHICAGO TECH. ARCHITECTURAL CLUB

The Chicago Tech Architectural Club was organized October 10th, 1923, with a charter membership of fifty-seven. The organization of such a club was proposed by Professor Weigler and Fielder and all credit is due them that it has flourished so successfully. The two primary purposes of the club are to create enthusiasm in the building arts and to promote a spirit of friendliness among the students. Officials and teachers of the college offered prizes for drawings of merit. They did so hoping that more interest would be displayed in this most essential phase of our architectural course. The competitions held were so arranged that the first year men shared equally with the others. It was not expected that beginners should enter a competition where advanced problems were given, but if these students so desired they were not barred.

The first problem in the way of competition given out was a public comfort station to mark the entrance of a small part. The drawing was to show elevation of facade and ground plan. The competition closed December 10th. Such enthusiasm was displayed that students from other departments dropped in often to see how the drawings were progressing. The president of the college, Mr. Morey, and the manager, Mr. Ransom, came in oftener than is usual. Much speculating was done as to whom the prize would be awarded. The instructors claimed to be surprised at the good quality of the drawings submitted. They said that it was the best group of drawings ever exhibited at the Chicago Technical College. The judges in the case were Mr. Fielder, Mr. Weigler and Mr. Manton. The results were: Floyd Evans, prize; W. H. Rothe, prize; C. Y. Wong, 1st mention; A. Butterfield, 1st mention; H. S. Miyasaki, 2nd mention; D. Grippi, 2nd mention; E. Roloff, 2nd mention; Roy Berke, 3rd mention; W. Wangenstein, 3rd mention; J. Scheibach, 3rd mention; Paul Lutz, 3rd mention; J. Chiaro, 3rd mention. The drawings are to be exhibited at the Art Institute during the annual exhibit of the Chicago Architectural Club.

It is to be regretted that due to the early printing of the MODULUS that it is not possible to tell of other contests to be held later.

Not much can be said for the social activities of our club at present. It has been so recently organized that an extensive social program has been impossible. Next year it is the wish of the club to give several smokers and dances throughout the school year.

Our regular monthly meeting is held on the first Thursday of each month. At these meetings various subjects are discussed quite informally. The members, I am sure, have become better acquainted with each other and with the instructors than they would have if there were no club of a similar nature. Our aim is to be a real help to all students and particularly to those who love Architecture in the truest sense of the word.

W. H. ROTHE.

ARCHITECTURE

W. R. WEIGLER

In the same sphere as literature, music, drama, painting, and sculpture exists the most useful of all the arts—Architecture. The aforesaid arts amuse us, but architecture aids us to solve our construction problems with designs, combining dignity and beauty in the completed composition.

In writing this article the subject of art in architecture has been discarded and the simple title "Architecture" substituted because we realize that the term architecture implies the term "Art," and that all things existing without art are merely structures built without any conception of beauty. The beautiful, the artistic, the architectural, are one and the same. All other is mere construction, but we may rightfully ask, what is beautiful or what is architecture? To the average person, architecture means structures, plans, sections, elevations, etc. To the artist these things are the pigments with which he paints the conceptions of his final compositions. In other words, these are the tools used to express his ideas.

The most common thing that comes to our mind in the study of architecture is the home. We are all familiar with various types of these buildings and we are aware also that some of them appeal to some inner sense, some physchological power of being beautiful or ugly, because most of us have not enough of the developed sense of the artistic to say whether they are in the class of mere building or architecture.

To teach architecture is to develop this latent power to distinguish between these things beautiful and those not so, and to develop in the individual his power of creation and imagination so as to enable him to produce the artistic.

Every year the world is producing hundreds of beautiful oil paintings, many of them exhibited in our various private and public art galleries. What is in the canvas that is so fascinating? Why is it that the older these master pieces become the more highly priced they are, and why is it that the longer we study them the more amazing, the more introcate, the more wonderful they become? In answering these questions we discover therein the difference between architecture and the structure. The answer lies in the fact that the artist in conceiving the painting executed it according to some idea of composition. He studied his various masses; he emphasized this, he subdued that; he harmonized his colors so that with his far reaching knowledge of the underlying features of painting he produces the masterpiece. So, in architecture we achieve the beautiful by studying over and over again the thing at hand, making careful consideration of the various masses, their relation to each other, the similarity of the various parts, the style, proportion, color, and character, until finally we arrive at what we call a composition.

Remembering that the above features apply to the study of plans, elevations, sections and details of any problem, the laying out of dwellings, factories, monumental buildings, anything that has a plan.

To the student of architecture, to the client and to the laymen, we appeal alike to give more study to the architecture by using the wonderful facilities provided by the various libraries and existing examples of good architecture, and to unite in one accord to make Chicago world famous for its beauty in its architectural features; to make it the city beautiful; to insist as citizens that its public institutions be works of art; that its parks and boulevards be planned with the same ideas of beauty, for, after all, beauty in architecture, like beauty in music, arouses within ourselves ideas of ennoblement and stimulates a growth of character which is of inestimable value to us as a community.

ARCHITECTURE AS A BUSINESS

PROF. F. A. FIELDER

A well known writer in defining "Architecture" emphasizes the idea that it is the "art of expressing beauty in building construction."

While such a conception is correct and all successful examples, those which have stood the criticism of years or centuries, have been evolved from the imagination and dreams of the creator, nevertheless behind the aesthetic thought has always existed a fundamental feeling of structural efficiency.

Primarily the world looks upon Architecture as a profession, a vocation based upon technical knowledge as distinguished from that of a trade or the products of craftsmanship.

We also conceive Architecture as an art, involving special skill in creating things of beauty, where taste predominates over manual cleverness.

Again such conclusions are logical and cover many of the functions as well as the duties of a practicing architect. The term "business," however, has a broader meaning and includes not alone the professions, but other occupations such as trade, manufacturing, and in fact any work engaging the time, attention, and labor of an individual.

In the development of Architecture as a business the architect has gone far beyond the narrow functions of professionalism or art.

Today the demands upon his time and energy are multitudinous, and his office is really a beehive of diversified interests and activities, art, science and manual skill are so intermingled that one can scarcely put his finger on the branch which predominates.

The modern architect must be a business man in every sense of the word, or at any rate he must organize his work shop to combine every element of business.

The working organization of a modern office includes not alone the artist or designed, the structural, electrical, sanitary, heating and ventilating engineers and a competent specification writer, but also the financier, the promoter, the business getter and the superintendent of construction.

As a result of these changed conditions the architect of today has opportunity to operate his profession on a money making basis with possibilities of obtaining returns on his investments of not only professional fees, but increased compensation from promotional activities as well as to assist his client in financing his building project.

Such opportunities demand a much broader training and have brought about conditions requiring partnership or corporate form of organization, grouping together men whose diversified talent will cover the several activities involved in the broader conception of "Architecture as a Business."

CLANNA
JEADAPT
KLUEB

CLANNNA
JEADAPT
KLUEB
C
J
K

CLANNA JEADAPT KLUEB

OFFICERS

Walter E. Moquin ..... President

John J. Crowley ..... Vice-President

J. J. Ahern ..... Secretary

Chas. McNerney ..... Sergeant-at-Arms

Chas. Vennetti ..... Chaplain

MEMBERS

Francis Tye
Leo Mahoney
John J. Sullivan
Edw. H. Ratowski
Joseph Petrzelka
Joseph Szudrowicz

G. T. Anthony
John J. Rycraft
John P. Farley
Samuel J. Sill
Eugene X. Humphrey
Joseph A. Hanley

George B. Begg
D. A. Grippi
John Palas
Peter Damiani
James N. Dalton
A. Collins
J. Prior

E. J. Reider
Thomas J. Sloan
E. T. Riley
John J. Connelly
George Blizek
B. M. Mamoser

Francis Glab
William Welsh
William S. Ryan
John P. Ahr
Eugene L. Duval
L. J. Ryan

John P. Kozel
E. Paturalski
Lawrence McGinnis
Palmer Angelini
Leonard H. Hudak
L. McKeon
L. Dugan

LOOKING ON

From where we stand—a lowly stall—
We scan life's passing show;
A grandstand play—and endless brawl—
Of what, we shall not know.

Far to the right, there plods a man,
Perspiring, taned and strong;
Earth's sod he turns—he lives the plan
Of out-of-doors and song.

Then trails another through the crowd,
A mere subjected clog;
The siren calls him stern and loud—
A shopman—someone's cog.

The business men—professions, too—
Are there to seek the pace;
The college youths, a lively crew,
Have come to lead the race.

The coy, sweet maid in gingham frock
We somehow fail to see,
But in her place a painted shock
Of nothingness wags free.

And, oh, the hurry of the mob!
But why such rush, I ask.
Where are they going, nerves a-throb?
Perhaps to hunt a flask.

Oh, where has strayed our virgin blood?
Of Puritans, we pray?
Quite washed away—a maddening flood
Of freedom flows today.

Athletics

TRACK TEAM

A. Allen	1000 Meters
J. Connelly	2000 Meters
E. Riley	30000 Meters
Bill Tell	500000000 Meters
F. Hughes	Shot Put
Hurto	Disc

FO-UL
BA-AW-L
OFFF-!
A
WHAT?
BASE
BALL

LINE UP

Left to Right

Bottom Row:—Prior, P.; Chiaro, C.; Poland, R. F.; Casey, 2nd; Stewart, Utility.

Middle Row:—Ries, Umpire; Dienes, Secretary; Ritenour, 3rd Captain; Thiemann, S. S.

Top Row:—Reider, Manager; Bennett, Utility; Short, Left Field; Heppner, Pitch; Nespodzany, First Base; Uemoto, Right Field; Manton, Athletic Director.

BASEBALL

By REIDER

Baseball last year did not turn out as good as was expected at the beginning of the season. We were handicapped by the lack of good practice grounds and also the cold and rainy weather. The biggest blow was the quitting of school of our two star pitchers, from whom we expected a great deal.

We uncovered a good one in Prior, our third baseman of 1922, but he could not stand the whole burden. Keller, in center field, who is a hard man to beat, was the real star of the team. Other stars were Short, Prior, Ritenour and Chiaro.

Keller, Ritenour, Short, Chiaro, Thieman and Uemoto of last year's team will be back with us for the 1924 season, which looks bright for a banner season for Chicago Tech. We have some likely looking prospects for the new men just coming in. This year's class is a husky looking bunch.

Last year's team was under the supervision of H. P. Manton, coach; E. Reider, Manager—two experienced baseball men. Ritenour was captain and Dienes treasurer.

STANDING

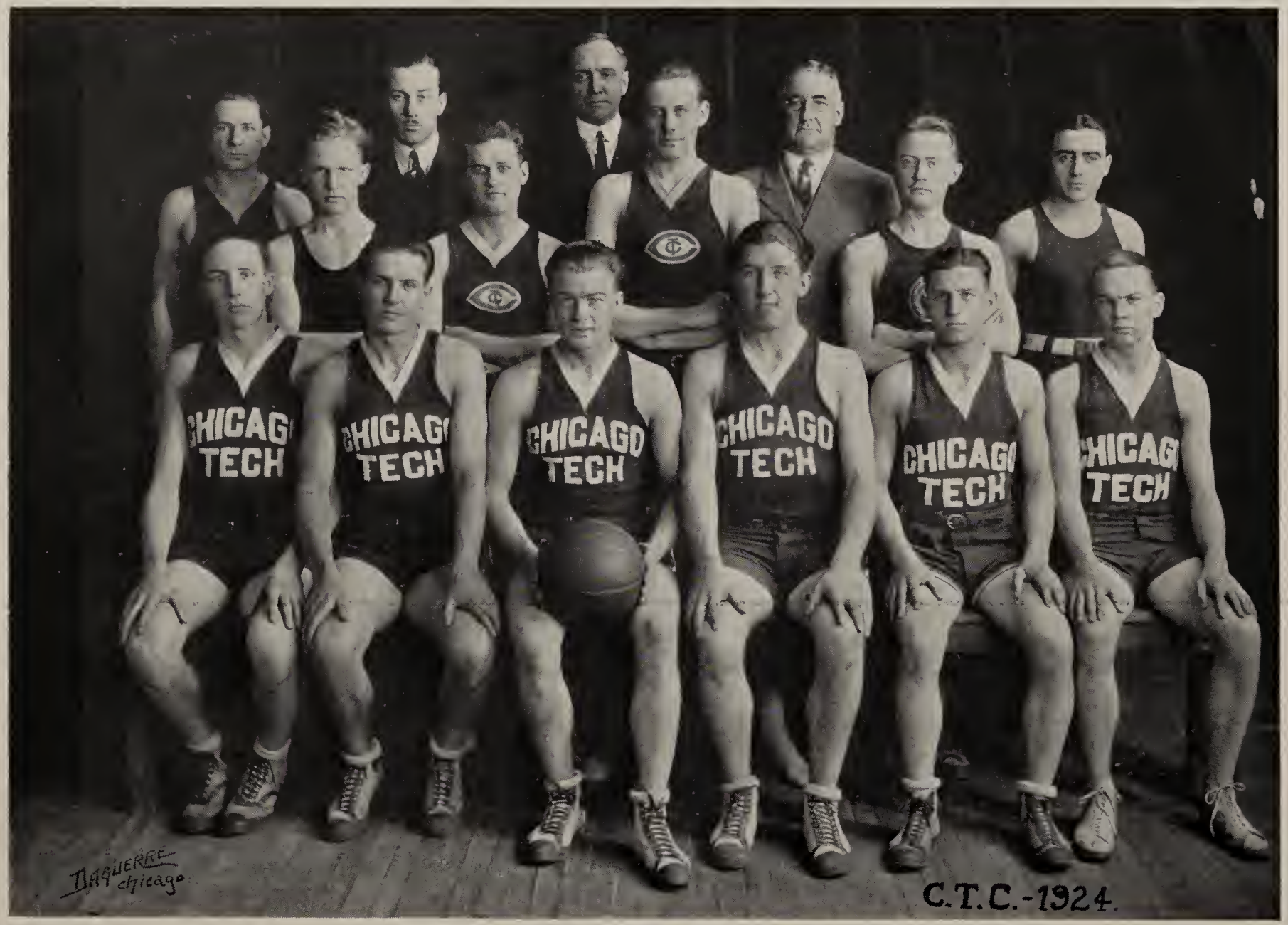
	Pos.	A.B.	R.	H.	Average.
Chiaro	C.	27	10	9	.333
Keller	C. F.	26	9	13	.500
Nespodzany	1 B.	21	5	11	.523
Short	L. F.	21	4	9	.428
Casey	2 B.	19	2	5	.263
Poland	R. F.	12	3	6	.500
Ritenour (Captain)	3 B.	17	1	5	.294
Thieman	S. S.	18	2	3	.166
Uemoto	U. I.	13	1	1	.077
Prior	P.	15	4	6	.400
Reider (Manager)		11	2	7	.636
Stewart	Utility	3	2	1	.333
Bennett	Utility	3	0	1	.333
Heppner	P.	2	0	0	.000
Team Average					.342

WANTED

A victrola in strength and material class.
A match for Ritenour.
A bow tie for Quinn.
A death warrant for originator of Calculus.
Cushions for the stools in the drawing rooms.
Friday off for Thanksgiving. (We got it.)
Some one to do Statics for us.
A watch whose hands go counter clock wise, for Wood.
Some brilliant students by the instructors.
Another smoker for Wiegler.
Stacomb for Hreben.
Harsh voice for Manton.
"The Navy Yards at the Stock Yards" for Jackson.
"Free Lunches" by all of us.
Some seven-reel dramas for the movies at school.

My laundry man's the meanest cuss,
  He wins the Green Bananas;
I found when going to bed last night
  He'd cold-starched my pajamas.

Bask
Ball


CHICAGO TECH
CHICAGO TECH
CHICAGO TECH
CHICAGO TECH
CHICAGO TECH
CHICAGO TECH
DAGUERRE chicago
C.T.C.-1924.

BASKET BALL PLAYERS

SEASON OF 1923-24

Mr. H. G. Reynolds, Coach—We sometimes think he is too severe and crabby; other times we are sure of it, but at the annual dinner given to the team, at the close of the basket-ball season, we all change our mind and call him the "Prince of Entertainers." He develops men and character as well as basket-shooters.

Mr. Stanley W. Howe, Mgr.—A.—The ladies say that he is so magnetic that they do not see how he can play basketball.

Mr. Desmond Weindorf, Captain—S.—He looks kind-hearted and mild, but ask the opposing forwards what they think when he is playing guard.

Mr. Arnold Thieman—M.—Is like wine—grows better with age. He has surely made great improvement this year and is playing an excellent game.

Mr. Ralph D. Pierce—E.—He is like Abe Lincoln in many ways. Tall, persevering and always delivers the goods.

Mr. Roy A. Egelhoff—M.—Considers it a sin to let the opposing team get the tip-off. Look at him and see the reason. He also thinks that a basket-ball uniform is like a full dress suit, only to be worn when the invitation specifies it.

Mr. Lawrence Frase—E.—Still water runs deep. While others talk, he shoots baskets.

Mr. Oscar Anderson—M.—Better known as "Lena, the Fighting Swede." He is an excellent guard.

Mr. Lars Sheveland—A.—The Beau Brummel of the squad. Like a deer, he evades his opponents, but, oh dear!

Mr. Homer Lohr—A.—The smallest man on the team, but like most small bodies, moves unusually fast.

Mr. Clell Sharp—M.—Reliability is his trade-mark, regardless of whether he is playing forward or guard.

Mr. Wm. Shears—M.—His mother calls him William, but his friends call him Daisy. He also is like Lincoln, but in a different way than Pierce.

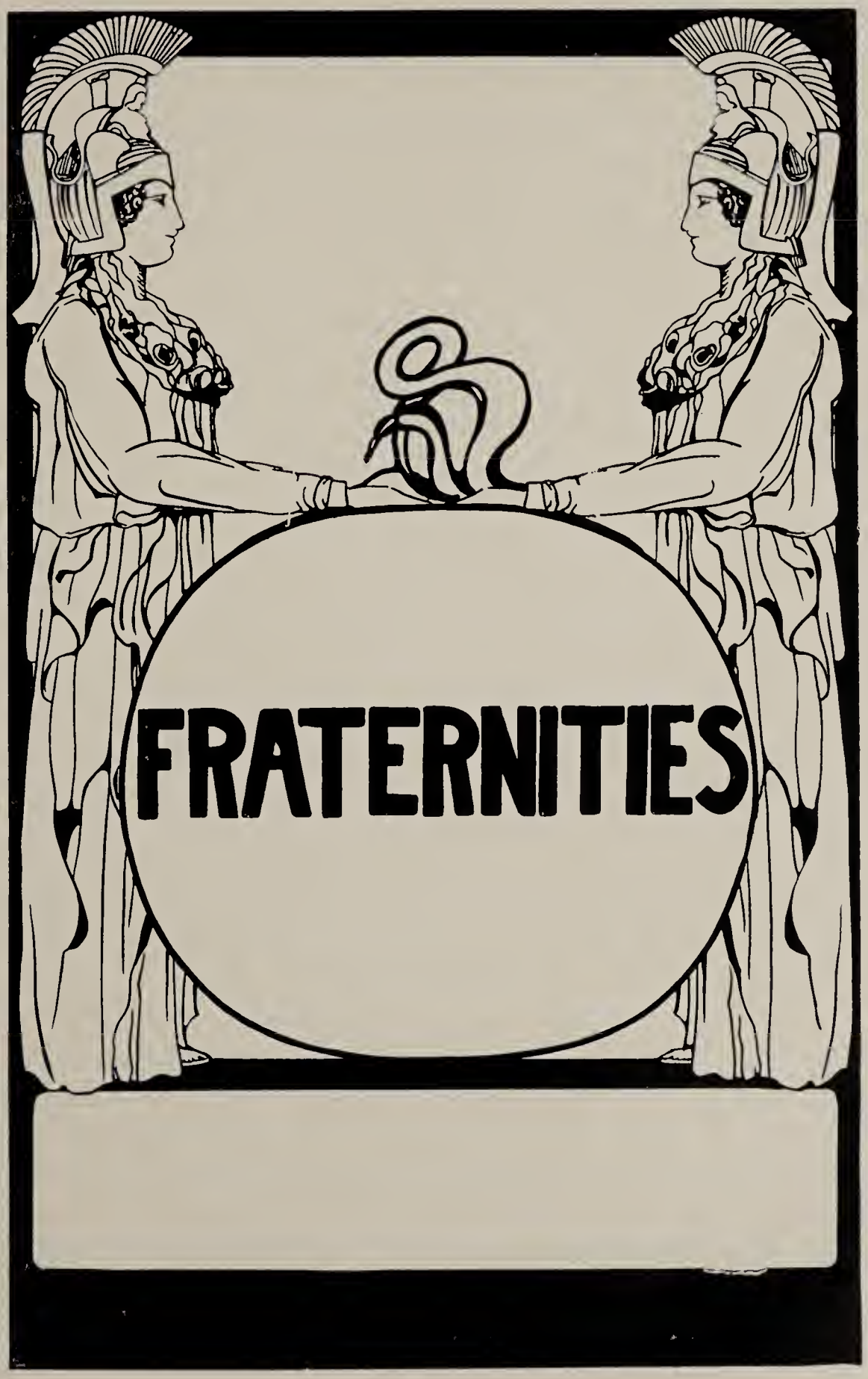
Mr. Wm. G. Jaros—B.—Due to his build, he works from the under side.

Mr. Dick H. Boss—A.—To meet him and talk to him you would feel sure he was almost too mild, but those who know him best and play against him have discovered he is fast and elusive.

Mr. Loyal A. Gimmy—M.—"As a basketball player, he is a great editor," so sayeth Riley.

Mr. Elton P. Goelzer—B.—The attorney for the team. His legal vocabulary is based around the word "supposition."

Mr. Roland E. Koepp—B.—Red-headed, from Texas. No other explanation necessary.


FRATERNITIES

R E FEY
A H RAFFIN
D RITENOUR
J J AHERN
V W NICKEL
H NELSON
C VENNETTI
Sigma Beta Epsilon
Alpha Chapter
E J REIDER
A W TENNANT
H M NORDIN
PRES.
E J UMPHREY
SGT.-AT-ARMS.
A T SWANSON
CHAPLAIN
F L EVANS
F B DIENES
VICE-PRES
W J BECK
TREAS.
E ROLOFF
C N McNERNEY
SEC'Y
1923 - 24
A L KUKRAL
B M MAMOSER
L C CLAYTON
C J SHARP
C A OLSON
J L McCORKLE
H G MURRAY
E O HUGHES
G W CLINE
R A HURTO
Photo by Daguerre Studio
218 S. Wabash Ave., Chicago

THE SIGMA BETA EPSILON FRATERNITY

The Sigma Beta Epsilon Fraternity was organized in the early part of 1914 and was incorporated under the laws of Illinois in 1916. Since that time it has continued to grow to such an extent that it now has a membership of more than three hundred among the alumni alone, which fact shows that it is a live organization.

Chicago Tech has had many clubs and societies, but Sigma Beta Epsilon has been the only one to survive the ravages of Father Time.

There was a time, however, when Sigma Beta Epsilon came near finding herself on the rocks of dissolution. This was during the period of the great war. True to the teachings and spirit of the fraternity, every member gave his services, one making the supreme sacrifice. The result was that a temporary dissolution was necessary.

After the war Sigma Beta Epsilon came to the front again stronger than ever. The same high standard of requirement for admission to membership was continued and fortunate inded was the student who was invited to become a fraternity brother. After being admitted to the fraternity, he is taught the true meaning and spirit of the word "fraternity" and as a result of this and other teachings he cannot help but become a better student and a better man.

Sigma Beta Epsilon always has been active in the welfare of its members, not only those in school, but those who have left to follow their chosen profession. The larger portion of our members are centralized in Chicago and because of this close contact with each other, there are better opportunities for perpetuating the friendships formed in college and these men have always taken upon themselves to act as a committee to welcome back to Chicago Tech and Chicago any member whose interests take him this way. Now they will be materially aided in all these functions by the Chicago Alumni Club of Sigma Beta Epsilon Fraternity, which has just been organized and is about to be incorporated as such. At the present time it is the only medium through which students and ex-students keep in touch with each other.

The success of Sigma Beta Epsilon may be attributed to the strict adherence of the members to the Fraternity Code of Ethics, which will be summarized as follows: To promote good fellowship, to aid in the advancement of education, and to cement an eternal friendship between and among the members.

FRATRES IN SCHOLA

Nordin, Hadar M.	Clayton, Leonard C.	Ritenour, Dewey D.
Swanson, Alfred T.	Fey, Raymond E.	Olson, Charles A.
Beck, William J.	Evans, Floyd L.	Kukral, Allan L.
Umphrey, Earl J.	Hughes, Fey O.	Hurto, Ruben A.
McNerney, Charles N.	Sharp, Clell C.	Nelson, Howard M.
Dienes, Fred B.	Reider, Elmer J.	Cline, Grady W.

Butterfield, Archie L.
Pierce, Ralph D.
Tennant, Arthur W.
McCorkle, Charles L.
Mamoser, Bernard M.
Raffin, Albert H.
Iverson, Carl
Ahern, John J.
Roloff, Erick A.
Vennette, Charles C.
Murray, Henry I.
Cutlan, Fred
Seehawer, O. C.

FRATRES IN MUNDO

Arfapo, J. E.
Anderson, C. B.
Anderson, H. C.
Brennan, R. J.
Bradford, C. N.
Berry, M. R.
Bower, T. R.
Bangh, W. H.
Behl, W.
Bapst, H. R.
Bucholtz, H. A.
Benesh, H. J.
Canfield, H. H.
Carlson, P. G.
Carlson, W. H.
Calvin, C. H.
Cramer, G. M.
Crary, A.
Case, M. M.
Collins, K. C.
Celander, H.
Collicut, A.
Clyde, J. W.
Dudek, L. G.
Doll, C. W.
Denoyer, J. R.
Dahlberg, O.
Ewald, E.
Edler, L. C.
Ehrhardt, W. C.
Everhart, R. C.
Fish, G. R.
Fitzgerald, E. N.
Fiore, L.
Frey, A. T.
Foe, H. C.
Frame, A. G.
Gallagher, W. H.
Goldman, G.
Freen, T.
Gabrielson, M. J.
Gamble, C.
Garret, A. G.
Gross, D. C.
Gilfoy, L. E.
Hansen, H.
Hoskins, P.
Handy, C. B.
Hankins, H. E.
Hudell, C. J.
Hinck, L.
Holmes, C. G.
Holloway, J. W.
Hazen, W. K.
Hansen, A. C.
Henry, M. A.
Hrubant, V.
Hastings, C. S.
Heimbrodt, C.
Hooper, W. T.
Johnson, E.
Jones, W. C.
Jacobson, F.
Jenkins, R. W.
Kolls, A. R.
Kellum, P. S.
Knudson, H. B.
Klinger, E. A.
Kastrop, A.
Knoblanch, C. G.
Kruegel, A. J.
Krejci, S. E.
Larson, J.
Low, R. O.
Lorenze, W. A.
Lathrop, B. E.
Lawler, T. J.
Lindl, A. F.
Larson, L. H.
Leffler, K. R.
Lechot, C. C.
Lami, H. J.
Lagerstrom, H.
Linnie, E. A.
Larmo, N. E.
Leick, M. R.
Mickelson, V.
Mills, H. E.
Montgomery, F.
Mortenson, R.
Miller, C. E.
Maher, F.
Mont Blanc, E. P.
Martin, R.
McCauley, W. I.
McLagan, R. T.
McKeon, L. E.
Myer, D. A.
Nordeen, H. A.
Niemann, W. J.
Nelson, F. E.
Ottoman, W. F.
Oschman, W. G.
Osted, H. M.
Olson, T.
Oswald, F.
Prior, J. W.
Plack, K. L.
Pinschel, C.
Patyk, W. C.
Phillip, R.
Pentzein, L.
Peterson, H. W.
Rehorst, A. R.
Randall, E. A.
Rice, W. G.
Ryan, H.
Rief, E.
Robertson, J.
Richman, H. C.
Rotzles, W.
Rodeburg, R.
Roebuck, A. S.
Roundsville, E.
Robinson, G. L.
Rucker, A. E.
Roth, H. W.
Robertson, J.
Ries, H.
Schneider, H. A.
Scharer, H. P.
Soraroff, F. G.
Stewart, F. A.
Scheim, C. E.
Soderholm, A. C.
Schoenberger, R. L
Swanson, E. S.
Etuebing, V. R.
Sook, D.
Schumacher, A. J.
Stuse, H. S.
Stdree, W. E.
Struble, L. O.
Sauer, E. T.
Smith, M. B.
Stetson, A.
Shelby, R. D.
Savage, C. E.
Swan, F. E.
Smith, G. G.
Schulz, F.
Schmeling, E. A.
Siefert, B.
Swedberg, E.
Tabert, W. J.
Thomas A.
Thompson, E. H.
Tombo, D.
Temple, E.
Voss, R.
Van Guten, O.
Walker, E. S.
Wahlman, J. W.
Wagner, H. E.
Welsh, F.
Walden, R. E.
Washakas, —.
Wolfe, R. E.
Waldenmair, A. J.
Wisp, C. P.
Westberg, E.
Williams, J.
Wilkins, S. W.
Warren, H. V.
Winterfield, E.
Weber, J. P.

ALPHA CHAPTER FRATRES IN FACULTATE

Morey, Charles W.
Ottoman, E., Jr.
Tupes, —.
Black, Homer F.
Manton, Herman P.
Rawitch, Maurice N.
Fielder, Fred F.
Walkinshiw, James L.
Hreben, Vincent
Ransom, J. Otis

WHAT WE OWE OUR ALUMNI

By J. O. RANSOM

Someone has compared the relationship of the Alumni to its Alma-Mater to that of parents and children. In both cases their position is fixed and no desire on the part of the individual or by any legal action can they erase the name.

The officers of the institution may withdraw and enter other fields of endeavor. The instructors may form associations with other institutions. The student body can likewise enter other colleges or universities; but once an Alumnus always an Alumnus. We therefore owe to them the best that the combined efforts of the officers, instructors, and the student-body can give.

This institution has thousands of Alumni who have gone out and made good in a big way. They are in business for themselves, or are holding executive positions in large companies or corporations. They are constantly calling upon us for young men. Consequently the first obligation that the officers have is to send them some one who has acquired the knowledge to fill the position. Our second obligation is to choose a man who not only has the knowledge, but who will apply that knowledge and serve his employer in such a way that the investment will be a good one, not only from the employer's standpoint, but also from that of the student. If this is done the influence of the college has been increased and the dividends on the investment, both in time and money, in attending Chicago Tech, will be increased in the same proportion.

Some institutions may not have rendered the service that they should. This has brought criticism on private schools, as a whole, which, of course, is unjust. We know that the best way to meet the misleading statements is with facts; the facts are the deeds of our students.

There is another and more selfish angle to this subject, "What We Owe Our Alumni," for every student that is here now will be an Alumnus soon and as the years pass he will value the standing of the college more than it is possible for him to do today. This standard can only be maintained and gradually increased by the untiring efforts of the officers and faculty together with the efforts of the students who realize their responsibility and opportunity.

One of the greatest instruments in bringing about a closer co-operation and better understanding between officers, faculty and student-body is our Year Book. It is only three years old, but one can hardly conceive of a students that is here now who will not look forward each year to the time when he can purchase his Modulus. To the men who have given so freely of their time, energy and ability, we owe a lasting debt of gratitude.

While the pioneering stage is past, there is still real constructive work ahead of us. Our present assets are: First, the experience we have gained from editing the book. Second, a real awakening, which can be rightly called the great Chicago "Tech" spirit. Let us join hands and help make the future of the Modulus a credit to its founders, and a great force for the betterment of all.

SOME MORE----?

Some come to school in a Tin Can,
Each one as big as a Big Man.
Some come to school in an Arror Fierce;
Others 7c carfare their pocketbooks pierce.
Still others come and the "L" do pick
To get to school and get there quick.
Some grumble because they try it to walk;
Say naught—but pity—the poor sidewalk!
Others fail to arrive. Cause? Oversleep!
Their Noble Domes in slumber they keep.
Clatter of feet and bang of doors.
"Gong!" and some more bang of doors.
Roll call is what comes off then;
One is late—"No hear the Big Ben."
But a jolly good bunch we all gather here,
Filling our Royal Domes with knowledge not clear.

The fellows who lived on "Wine, Woman and Song" now have to be content with only the "woman and song."

Delta Theta Fraternity

Eli Chapter

1923 1924

DELTA THETA FRATERNITY

CHI CHAPTER

Installed December 18, 1923.
Colors: Blue and Gold.

ACTIVE AND ALUMNI MEMBERS

L. A. Gimmy, C. H.
E. W. Wahlman, C. A. H.
W. L. Shears, C. G.
E. P. Goelzer, C. B. R.
P. J. Kenerly, C. C.

Keopp, R. E.
Guetslaff, P. F.
Johnson, C. W.
Uemoto, C. H.
Quinn, C. J.
Gottstein, A. W.
Kozel, J. P.
Prior, J. W.
Deal, R. M.
Alford, W. L.
Theiman, A. W.
Carlisle, H. G.
Egelhoff, R. A.
Howe, S. W.
Ross, A. S.
Ryder, H. T.
Vierk, F. C.
Anderson, O.
Kimura, H. A.
Hamaker, M. C.
Sheveland, L. B.

ACTIVE CHAPTERS.

Alpha ..... Brooklyn, N. Y.
Gamma ..... Brooklyn, N. Y.
Delta ..... Brooklyn, N. Y.
Epsilon ..... Mohegan, N. Y.
Zeta ..... Montclair, N. J.
Iota ..... Minneapolis, Minn.
Kappa ..... Newark, N. J.
Theta ..... Duluth, Minn.
Eta ..... East Orange, N. J.
Lambda ..... St. Paul, Minn.
Mu ..... Chicago, Ill.
Rho ..... Long Island, N. Y.
Sigma ..... New York City, N. Y.
Tau ..... Long Island, N. Y.
Upsilon ..... New York City, N. Y.
Phi ..... Superior, Wis.
Gamma Phi ..... Long Island, N. Y.
Chi ..... Chicago, Ill.
Pi ..... Pasadena, Calif.
Omicron ..... Detroit, Mich.
Nu ..... Pontiac, Mich.

ALUMNI CHAPTERS

Chicago, Ill.
New York Alumni Club.
Theta Alumni Association.

C. T. C. CONCERT OPERA

Chris. Antonopupus ..... Mad Scene From Lucia
Geo. Anthony ..... Asleep In the Deep
N. Amodt ..... Some Stuff
A. Allen ..... I Am Glad I Am Married
W. Alford ..... My Old Kentucky Home
J. Ahr ..... Wait Till the Sun Shines Nellie
J. Ahern ..... I Will Take You Back to Italy
T. Abraham ..... My Wild Irish Rose
R. Blankenbaker ..... A Little Child Shall Lead Them
A. Butterfield ..... Where Rolls the Oregon
W. Bryer ..... Good Bye Broadway, Hello France
W. Bruder ..... Can't You See I Am Lovely
T. Brouillard ..... They Were All Out Of Step But Jim
C. Brocken ..... Canal Street Blues
D. Braden ..... Kiss Me Again
D. Boss ..... Maple Leaf Rag
H. Bortner ..... Last Hour
H. Boline ..... Indiana Moon
F. Bock ..... Stars and Stripes Forever
C. Bloem ..... If You Want to Keep Your Daddy Home
V. Bethke ..... I Love Me
R. Berkey ..... Parade of The Wooden Soldier
W. Bennett ..... Keep the Home Fires Burning
A. Sheehan ..... Mighty Lak A Rose
J. Shepard ..... My Golden Flock
T. Sheveland ..... Harmony Babe
M. Shills ..... Oh, OH, OH, & Gosh
H. Short ..... I Don't Know Why I Do It
W. Shears ..... I Love The Daisies
A. Sill ..... Oh, Me, Oh My
G. Skewes ..... I Don't See Why
T. Sloan ..... The Sunny Side
B. Smith ..... In The Twilight
G. Sprouse ..... When The Roll Is Called
J. Sullivan ..... Down in Joliet
A. Swanson ..... Somebody Else Not Me
I. Sweberg ..... Too Late To Be Sorry
J. Szuddrowicz ..... What's In A Name
W. Tell ..... William Tell
A. Temaut ..... When I Get Home
A. Thieman ..... My Minnesota Home
F. Tye ..... I Will Try
W. Tyschper ..... I Cannot Say No
C. Uemoto ..... Honolulu Rag
E. Umphrey ..... I May Be Gone For A Long, Long Time

C. Vennetti.....Venetian Moon
F. Viebranz.....I Am Just a Little Blue
F. Wafer.....I Wish I Could Shimmy
E. Wahlman.....Oh, Cecelia
P. Lutz.....Let the Rest of the World Go By
C. McClellan.....Tuck Me to Sleep in My Old 'Tucky Home
C. McCorkle.....I Love a Lassie
C. McNerney.....In the Shade of the Old Apple Tree
B. Mauoser.....That Old Sweetheart of Mine
L. Mahoney.....A Million Miles from Nowhere
J. Mautas.....Yes, We Have No Bananas
S. Markle.....Just a Sweet Irish Girl
G. Matson.....The Longest Way Home
H. Magasaki.....Oh What a Pal Was Mary
W. Moquin .....Good Bye My Bluebell
E. Munson.....Listen to Me
H. Murray.....Mary Ann McCarty
H. Nelson.....You Used to Love Me
R. Newell.....Linger Longer Letty
V. Nickel.....Over There
H. Nordin.....My Isle of Sweethearts
C. Olson.....Barney Google
F. Ostrand.....I Was a Hero in the Days Gone By
T. Page.....Stop, Look and Listen
T. Palas.....Nobody Loves Me
E. Paturalski.....If I Were King
R. Paulson.....I Can't Make Up My Mind to Marry
C. Peterson.....If Dreams Were True
T. Petrzelka.....Some Day
F. Pheiffer.....I Have No Sweetheart
T. Pfuigst.....At the Beekeepers' Ball
E. Beckstrom.....That Red Headed Gal
W. Beck.....Toot Toot Tootsie
J. Crowley.....At the Yiddish Ball
G. Christewsen.....On Wisconsin
J. Chiaro.....Born and Bred in Brooklyn
M. Catron.....Wonderful Dream
J. Caskie.....The Sweetest Story Ever Told
H. Carlisle.....Nobody Knows But My Pillow and Me
F. Caba.....Lost Lost Mamma
G. Cline.....You Tell Her, I Stutter
F. Cutlan.....Rose of the Rio Grande
A. Desch.....Midnight Blues
R. Deal.....A Thousand Years from Now
G. Davison.....I Never Miss the Sunshine
L. Dana.....He Lee Hi Lo
P. Damiani.....All Night Blues
E. Duval .....Down by the River
F. Deutschley.....Wyoming Lullaby
D. Evelsizer.....Down on the Farm
F. Evans.....Cat's Whiskers
R. Egelhoff .....Who is Corry Now
C. Frederick.....I Wish I Had You
L. Frase.....Waiting for the Evening Mail

THREE PRIME REQUISITES NECESSARY FOR CONSTRUCTIVE THOUGHT

By M. RAWITCH

Three prime requisites of constructive thought are: 1. Physical Relaxation. 2. The "Outcropping of the Subconscious." 3. The Directing of Attention (not concentration).

The first, Physical Relaxation, is a requisite easily proven. Physiological experiments have shown that the cerebral hemispheres and the cortex covering them are the chief seat of reason. The brain itself is an excessively vascular organ, a sponge full of blood in fact; and one of Mosso's experiments showed that an influx of blood to the brain accompanied intellectual activity and a decrease of blood to the leg; and vice versa.

Mosso took observations of three persons whose brains had been laid bare by a lesion of the skull. By delicate instruments he measured the blood pressure of the living brain and the blood pressure of the legs during mental and sensorial activity. The results corroborated the above statement.

He also proved that physical stimuli dominate the mental. Thus sensorial activity robs the brain of the influx of blood necessary to mental processes and it is evident, therefore, the former must be made subordinate to the latter.

A good illustration is a student at an examination. At the first difficulty he makes a greater effort to solve the problem. He may tense his muscles, "hunch up" over his work, and even clench his fist in determination. Here his determination and physical activity rob the brain of the influx and the results of his efforts are nil. But, often, as soon as he leaves the room the answer flashes to him—he has relaxed.

Many people study best when fatigued. This is so because the tired person sinks into his chair to rest—or relax.

The second step is to compose the mind to that state known as the "Outcropping of the Subconscious." Our general consciousness may be considered to be made up of two parts, the conscious, the subconscious and a combination of the two called the "Outcropping of the Subconscious."

The conscious is the state of being aware of our thoughts and actions. It ceases during unconsciousness. It is the present and also the selective part of reason.

The unconscious is a state in which we are not aware of our thoughts. It is the past, is continuous, and is called the stream of consciousness.

In sleep the unconscious seems to submerge the conscious altogether, while at our moments of wakefulness when the attention and the will are at work it is at its lowest ebb. When he are drowsy, dreamy, or in a reverie the unconscious is more potent. This submersion of the conscious is called the "Outcropping of Consciousness." The highest degree of Outcropping compatible with conscious selection and direction of thought is just before we fall asleep and just after we wake.

To approximate this condition one should relax physically and compose the mind into a reverie about the subject in question. But pure reverie

is akin to day-dreaming or dispersed attention and another requisite the "direction of attention" must be introduced into this reverie.

"Directed Attention" is the third requisite of constructive thought and infers the stream of consciousness which is the storehouse of memory where every impression we receive, from earliest childhood to the last hour of life, is recorded, more or less clearly, for future reference.

The stream is a constant blending of ideas and states of mind. It may be thought of as a broad river containing myriads of swirling sensations, images, and ideas each of some color that fades slightly, thus coloring the stream and being colored itself by the solution in the stream, of fading colors from other ideas.

With each idea or image (for all ideas are brain images), goes the sense of its relation near and remote, the dying echo of whence it came to us, the dawning sense of whether it is to lead. The significance, the value of the image is all in this halo and is called the "fringe;" and each idea has its own fringe which may overlap other fringes.

To emerge from the maze of swirling ideas we take advantage of these fringes by a process called the association of ideas. We dip into the river and pick out ideas whose fringes are similar to, or resemble the fringe of the thing to be discovered. The ability to pick out the right fringes determines the sagacity of the person. This choosing is called the selectivity of the conscious and is not what is commonly known as concentration.

The entire process of thought can be symbolized by several circles called a, b, c, d, etc., around a circle called "Z" with lines joining the smaller circles, with each other, and with "Z." "Z" represents the thing forgotten (or to be discovered) and a, b, c, etc., represent facts related to "Z" and whose fringes overlap.

Instead of concentrating on the point "Z" which would shut out the ideas associated with it, we pick out of the stream not "Z" but a, b, c, ideas that are intimate with "Z."

THE NIGHT SCHOOL

INSTRUCTORS

E. E. Tupes
H. F. Black
C. Graham
V. Hreben
C. Jackson

N. McKenzie
H. Knudsen
H. Peterson
E. Winterfeldt
L. Kelley

H. P. Manton
W. R. Weigler
F. Fielder
L. McKeon
J. Donegan

J. Poland
J. Wilson
F. Mezek
H. Boardman
H. Windsor

EXTENSION DIVISION

By W. E. CUNDY, Ass't. Director

That the Home-Study method is a success is evidenced by the fact that our leading Universities are developing this division as rapidly as possible. They realize that the universal demand for trained men has created in the hearts of all ambitious men, a desire for a chance to make themselves worthy and qualified. Home-Study instruction is a project, great in its conception, successful in its operation, satisfactory in its results—a great boon to thousands of ambitious men.

It does not matter whether it is called Correspondence, Home-Study or Extension, the fact is that a man is getting an education at home and progressing as fast as his time will permit. There are thousands of high grade young men today who can testify to the value of Home-Study for, situated as they were, possibly with families of their own to provide for or perhaps the sole support of parents or others, they made good use of their spare hours to qualify themselves for bigger things. They are anxious to succeed, they are sincere and they are certainly making good.

In addition to the thorough Day and the Evening Schools, Chicago Tech has the most efficient Home-Study or Extension School which reaches out to every state in the Union. Its influence does not stop there, for active industrious students of Chicago Tech can be found in various parts of Mexico, Cuba, Virgin Islands, Phillipine Islands, Hawaii, Canal Zone, Europe, Asia, Africa, Australia and South America. Alaska also comes in our honor roll. All of our students are not in civil life but a great many will be found in the army and navy.

The increase in the number of students in any locality depends somewhat upon the development of that locality and likewise we believe that the development depends somwhat upon the Chicago Tech students. Their progress seems to be an inspiration to others who come to the conclusion that what has been can be done.

Among the twenty-five thousand students who have enrolled with Chicago Tech, practically every country in the world is represented. Thus showing the progressive spirit of the men along technical lines.

The Extension Division is located on the first floor of the college building, in which the records of students are filed.

To receive, sort out according to courses wanted and to answer fifteen hundred questions and inquiries a week is no small task and requires careful study, speed and precision. With an efficient force, however, we are able to handle these inquiries promptly and efficiently.

The outgoing mail (Drawings and Lessons) average 27,852 pieces a week. This will give a fair idea of the volume of mail that is handled in our mailing department.

One of the advantages in home study is that age is no barrier, our enrollments show men from 15 to 70 years old. There seems to be no age limit when a man is exempt from study.

The Chicago Tech Home Study School is growing along with the day and evening schools, and the three combine to make Chicago Tech widely known as one of America's greatest Technical Educational Institutions.

JOKES.

A DEDICATION

We have worked long, hard, and late over the following pages and now we wish to respectfully dedicate the results of our toil to the following three classes:

Those who have been slammed before;

Those who are about to be slammed;

Those who have not yet been slammed.

Our only hope is that the people mentioned in this section won't get the swelled head.

* * *

You may talk of signs of weather,
Of coming days you may sing;
But when you sit on a good sharp tack,
You may count on an early spring.

* * *

An innocent liquid they started to make,
As safe as there was to be had,
But a little yeast cake was dropped in by mistake,
Which sent the whole works to the Bad.

* * *

They went down the river a whizzin',
A sitting in the stern;
He held her hand in his'n,
And she held his hand in her'n.

* * *

Mike—"Have you christened your baby yet, Pat?"

Pat—"To be sure I have."

Mike—"And what's its name?"

Pat—"Hazel."

Mike—"Bad luck to you to think that there were two hundred and fifty Saints in heaven and you had to name it after a nut."

* * *

She with newspaper—"It says here that a mosquito can fly ten miles."

He—"The distance doesn't interest me; it's what the darned little cuss does when he arrives."

* * *

Paturalski, buying shaving soap:

Clerk—"Do you want it scented?"

Patrulski—"No, I will take it with me."

Father—"Son, what did you do with all that money I sent you?"
Student—" 'Alma Mater' took it away, Dad."
Father—"And I told you to keep away from those women."

* * *

Graham—"Do you want a quizz today?"
Many sighs and groans and much commotion.
Graham—"I guess we won't have it. I just wanted to hear you yell."

* * *

"Say, Dad, I got in trouble at school today and it's all your fault. Remember when I asked you how much a million dollars were?"
"Yes I remember."
"Well Teacher asked me today and 'A Helluva Lot' isn't the right answer."

* * *

Student—"What's the date, please?"
Ottoman—"Never mind the date, the examination is more important."
Student—"Well, Sir, I wanted to have something right."

* * *

It was the first time Richard's father had seen her and they were talking things over.
"So my son has proposed to you has he?" he said. "And you have accepted him. I think you might have seen me first."
She blushed sweetly as she replied: "I did, but I think I prefer Richard."

* * *

"Hey, waiter, there is a fly in my coffee."
" 'S all right, let him burn to death."

* * *

"Do you mean to say that you shave yourself all the time?"
"Well no, I stop once in a while for meals."

* * *

Handley—"That darned boarding house waitress made me mad. She says, 'Do you know how many waffles you ate this morning?" I said I didn't and she says this makes the twenty-sixth! Well, I was so mad I just got up and went to class without my breakfast."

* * *

If
Kissing a Miss
Is
Kissing a Miss
Are there
Any more blisses
In kissing a Mrs?

Ratsus—"Ah can't get dis spot off'n yo' trousers."
Ahair—"Have you tried gasoline?"
Ratsus—"Yes, suh."
Ahair—"Have you tried ammonia?"
Rastus—Naw, suh, but I'm almost sure they'll fit."

* * *

Mr. Black—"I told you to bring a note book to class."
Student—"I don't need one I can use my head."
Mr. Black—"I didn't say a blank note book."

* * *

He—"Just one kiss, please."
She—"If I let you kiss me once you'll want to kiss me again."
He—"No, I won't."
She—"Then you don't deserve to kiss me at all."

* * *

Some One—"I discovered a new kind of whiskey yesterday."
U No Who—"You did? What kind was it?"
Some One—"Chicken Whiskey."
U No Who—"What do you mean?"
Some One—"Two drinks and you lay."

* * *

Drunk—"I shay, old man, lesh go out and have a party."
Temperate One—"I'm sorry, but I have a case of dyspepsia."
Drunk—"S'll right. Bring it along I'll drink anything."

* * *

"Lovin' Sam" had the "Farewell Blues" when he came "Stumbling" home from the "Georgia Cabin Door" where he had met "Carolina in the Morning." They were "Romancing" in a "Love Nest" on the Ohio when her "Aggravatin' Papa" came along with the "Alcoholic Blues" about "Three O'clock In the Morning" and "Cooled His Doggies" on "The Sheik of Alabam!"

* * *

I can't see why it makes them worry,
When girls slip out at night.
Why ain't it just as good
To ride by dark as light?

* * *

The other day the fire chief
Stopped me and he said——
"Have you seen the newfire hose?"
And I asked him were they red?

STUDENT DIRCTORY

Abraham, Lawrence; Mechanical, Hutchinson, Minn.
Anderson, Oscar; Mechanical, Divernon, Ill.
Alford, Willard; Electrical, Andrews, Ind.
Ahr, John P., Mechanical, Chicago.
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Ahern, John J.; Electrical, Chicago.
Ablazey, M.; Chicago.
Allen, Archie D.; Builders, Chicago.
Amodt, Nels; Builders, Chicago.
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Anthony, Geo. Thos.; Electrical, Chicago, Ill.
Antonopulos, Chris; Architecture, Chicago, Ill.
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Browne, Earl C.; Mechanical, Eveleth, Minn.
Burns, Charles E.; Builders, Chicago.
Beckstrom, Evald; Mechanical, Lindsborg, Kansas.
Baars, Alfred; Steam Engr., Monroe Center, Ill.
Begg, George B.; Builders, Evanston, Ill.
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Bloem, Cornelius; Architecture, Chicago, Ill.
Boss, Dick, H.; Architecture, Chicago, Ill.
Boline, Harry O.; Architecture, Rockford, Ill.
Bethke, Victor; Architecture, Augusta, Wis.
Brocken, Clemens; Architecture, Summit, Ill.
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Butler, Thomas A.; Builders, Peoria, Illinois.
Berg, Roy C.; Builders, Rock Island, Illinois.
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Catron, Maurice; Electrical, Michigantown, Ind.
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Damiane, Peter; Electrical, Chicago.
Dana, Lawrence; Electrical, Chicago.
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Egelhoff, Roy A.; Mechanical, Jerseyville, Ill.
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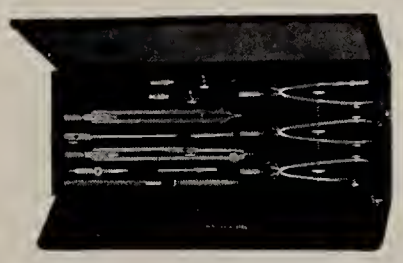

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